SAM LIN

Full Stack Web3 Developer

📍 *Chinaweal Centre, Wan Chai, Hong Kong*

📞 *+852 8197 8245*

✉️ *alphanetra0321@gmail.com*

✈️ *Alphanetra0321*

👤 ABOUT ME

- ➢ Blockchain developer, developing smart contracts using Solidity.
- ➢ Experienced in developing DeFi, DEX, and NFT marketplace on multiple blockchain networks.
- ➢ Backend developer with experience in Optimizing applications for maximum speed and scalability.
- ➢ Frontend developer with proven experience in helping companies create and maintain a better code base.
- ➢ Experienced software professional adept in organization and team management.

🌐 LANGUAGES

97% Chinese - Native

77% English - Fluent

🎲 HOBBIES

Movies   Reading   Football

🚀 SKILLS & KNOWLEDGES

Frontend Development Skills

95% *HTML / CSS*
Expert, 10 years

95% *JAVASCRIPT / jQuery*
Expert, 10 years

90% *React.JS, Vue.JS*
Expert, 6 years

80% *Angular*
Advanced, 5 years

Backend Development Skills

90% *Node / Express / MongoDB*
Expert, 6 years

90% *PHP / Laravel / MySQL*
Expert, 8 years

90% *Python / Django / PostgreSQL*
Advanced, 4 years

85% *AWS / Firebase / GCP*
Advanced, 4 years

- ✓ *Project Management and Business Analysis.*
- ✓ *Quality User Interface and User Experience, Responsive.*
- ✓ *Payment Gateways Integration (PayPal, Stripe, Apple Pay, Google Pay..)*
- ✓ *Project & Repositories management using Git, Trello, Asana.*
- ✓ *OS: MacOS, Windows, Linux*

Blockchain Development Skills

90% *Solidity / Go*
Expert, 3 years

80% *Ethereum Virtual Machine*
Advanced, 3 years

90% *Web3.js, Ethers.js*
Expert, 5 years

75% *Cosmos SDK*
Advanced, 1 year

- ✓ *Design of Application-Specific Blockchain.*
- ✓ *Development of Smart Contracts.*
- ✓ *Development of DeFi, DEX and NFT marketplace.*
- ✓ *Development of interactive frontend designs for Dapps.*

🎓 EDUCATION & TRAINING

Apr 2008 – Mar 2012

Bachelor's Degree (B.Sc) in Computer Science

Shanghai University – Shanghai, China

Specialization: Computer Science and Mathematics, Finance.
Selected as peer-mentor for the programming fundamentals course. Had solved real-life challenges in an interdisciplinary team and had won a prize for the best solution.

Aug 2012 – Dec 2013

Online Language Course

British Council (https://www.britishcouncil.org)

Had improved my proficiency in English speaking, can effectively communicate and collaborate with friends and colleagues, and also had gained the confidence to archieve my professional and personal ambitions.

Mar 2016

Online Learning & Training

Linkedin Learning – Learning ReactJS

Learned with React.JS, the best javascript framework for user friendly , beautiful UI of websites. Redux, Hooks, Saga, Thunk

Aug 2016

Online Technical Trainings

Pluralsight (https://www.pluralsight.com)

Mastered new technologies such as MVC, Azure, DevOps, Machine Learning, IOT, etc. Learned the skills to build my confidence and help me reach my full potential. I worked on an exciting range of practical and challenging tasks that encourage self-expression and creative thinking.

Feb 2017

Online Learning & Training

Codecademy (https://www.codecademy.com)

Learned with Angular, javascript framework for user friendly, beautiful UI of websites. RxJS, Angular Universal

Jun 2017 – Mar 2019

Online Training

Coursera (https://www.coursera.org)

Learned all about blockchain, what is blockchain, bitcoin and cryptocurrency technologies, web3 and blockchain in global commerce, decentralized finance, so much more!

Aug 2021

Online Training

Cosmos Network

Learned all about Cosmos, manin concepts in the Cosmos SDK, blockchain app architecture (Tendermint, ABCI, IBC), CosmJS, SDK modules, how to build the custom blockchain.

EXPERIENCE & WORK HISTORY

Sep 2022 –

Blockchain Developer (Solidity Developer)

Bolide

I have been working as a blockchain developer at Bolide. Bolide is a next-generation DeFi yield aggregator, powered by automation and smart contracts, that optimizes the deployment of digital assets across multiple DeFi investment platforms to save investors time, money and earn them the highest possible yields. Bolide allows crypto customers from anywhere in the world to invest their crypto assets into automated investment "Bolide Strategies" (low, medium, and high risk) and generate 20% APY on average, all without moving a finger.

Skills & Experience:

1) *Understanding of blockchain: consensus algorithms, cryptography, commission calculation, the Merkle tree.*
2) *Experience in developing solidity smart contracts: development, testing (including unit testing), deployment.*
3) *Experience in developing solutions for DeFi will be a plus.*
4) *Experience with Oracle and with working with backend developers.*
5) *Experience with the following networks: Ethereum, Binance Smart Chain, Tron Network.*
6) *Knowledge of basic development tools (Linux, Docker, GitHub, etc.)*
7) *Understanding of the principles of work of the currently developed blockchain interoperability protocols (Cosmos IBC, Polkadot, BTC Relay, POA bridges, etc)*
8) *Experience in auditing smart contracts.*
9) *Experience with Uniswap, Compound, Aave, Curve, Pancakeswap, and others.*
10) *Experience in writing programs in Python / JavaScript (TypeScript) / Rust.*
11) *Experience with CI/CD.*
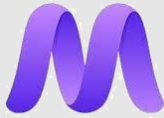12) *English language.*

Work History:

- Implement DeFi Lend / Borrow strategy in Solidity using Compound related protocols.
- More than 10 swap service (Pancakeswap, Uniswap, DODO, 1inch …) integration.
- Crosschain ERC20/Native token deposit.
- Solidity audit pass, Wallet profiler, Telegram Bot development.
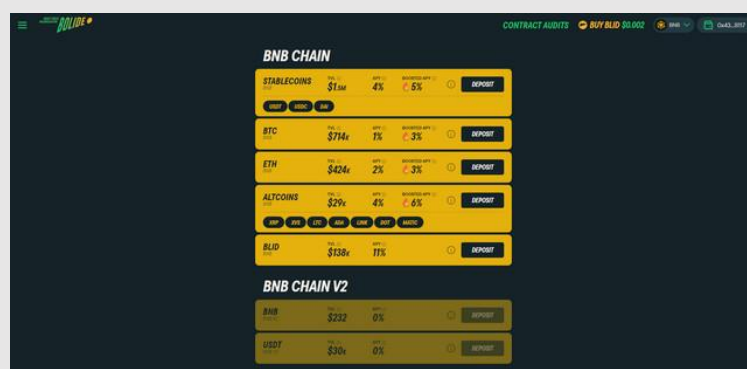
EXPERIENCE & WORK HISTORY

Mar 2022 – Sep 2022

Web3 Developer

Massless

I have worked as a web3 developer at Massless, completing 5 large and small projects.

Roles and Responsibilities:
1) *Create cutting-edge smart contracts for NFTs and crypto token.*
2) *Work with Dev team to build backend API and frontend for Dapp.*
3) *Audit smart contracts and backend API.*
4) *Stay on the bleeding edge of the latest NFT/Blockchain trends, best practices and technologies.*
5) *Collaborate with the broader team to deliver on company goals.*
6) *Research new technology.*
7) *Provide the constructive feedback.*

Skills & Experience:
1) *Ninja-level skills with Ethereum smart contracts.*
2) *Web3 integration.*
3) *Experience in GCP & Firebase.*
4) *Extensive experience with ERC20, ERC721A and ERC1155 standards.*
5) *Excellend knowledge of Blockchain technology – specifically Ethereum and Solidity.*

Work History:
1. *Jungle Freaks (https://junglefreaks.io)*
- Developed ERC721A based NFTs using Solidity and implemented the test scripts on the smart contracts using Hardhat.
- Optimized the smart contract code and increased the efficiency by 15%, using the Library functionalities of Solidity.
- Developed backend API using Node.JS, Express.JS, Ethers.JS, Moralis for using NFT smart contract.
- Built frontend using React.JS, Redux, Next.JS, Web3.JS for using NFT smart contract.
- Audited the security and quality of smart contracts and backend APIs the teammates developed.

2. *Angry Ape Army (https://angryapearmy.com)*
- Supported Chief Operating Officer with daily operational functions.
- Defined the structure of smart contract development for Product team and defined the Access Controls and security.
- Developed ERC721A and ERC1155 based NFTs using Solidity and implemented the test scripts on the smart contracts using Hardhat.
- Optimized the smart contract code and increased the efficiency by 15%, using the Library functionalities of Solidity.
- Developed backend API using Node.JS, Express.JS, Ethers.JS, Moralis for using NFT smart contract.
- Built frontend using React.JS, Redux, Next.JS, Web3.JS for using NFT smart contract.

- Audited the security and quality of smart contracts and backend APIs the teammates developed.

3. *Smart Contract Library*
   Massless has packaged the general functions used in most of smart contracts the company creates into a library.
   *https://www.npmjs.com/package/@massless.io/smart-contract-library*
   This is a private package.

- Defined what functions to put into a library.
- Developed smart contracts using Solidity and implemented the test scripts on smart contracts using Hardhat.
- Developed the upgradeable smart contracts.

4. *Smart Contract Interaction Tool (https://smartcontractgui.xyz)*
- Technologies Used:
  React.JS, Redux, Redux-Thunk, Next.JS, Web3.JS, Material UI
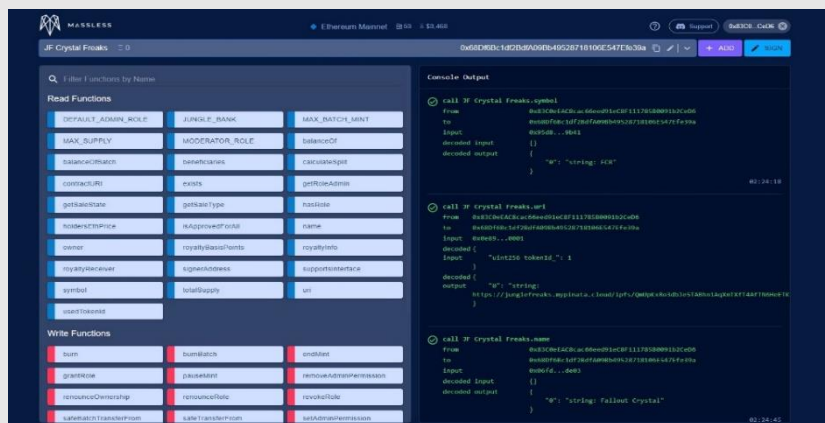
5. *Decentralized Studio*
   Massless developed the Decentralized Studio(DS) Token so that the customers can participate democratically in the investments for movie release.

- Supported Team Leader with daily operational functions.
- Researched new technologies for yield farming and did the presentation to the teammates.
- Developed ERC20 based token, ERC721 based Soulbound NFT using Solidity and implemented the test scripts on smart contracts using Hardhat.

Company Culture:
1) *Daily stand-up meeting.*
2) *Weekly all-hands meeting.*
3) *Bi-weekly all-hands entertainment.*
4) *Share blockchain news.*
5) *Share the funny story, picture, video and music.*

📁 EXPERIENCE & WORK HISTORY

Review from Company:

RICHARD CASEMORE (Web3 Team Manager): "I recommend Sam Lin for the role of Web3 developer specialising in Smart Contract and Backend API development. His role at Massless Corp. was full time, fully remote and he reported to me, the Web3 Lead, directly. He is up-to-date with the latest advancements in EVM technology which powers his clean and innovative code on projects. His work requires little oversight and is always happy to receive feedback. Whilst an employee at Massless he has communicated solo research projects, been involved with mainnet deployment of customer contracts and created experimental smart contracts to test concepts and potential exploits. He has excellent problem solving skills, writes neat efficient code in Solidity & TypeScript, and is able to integrate any library or 3rd party service we throw at him at the drop of a hat. He always delivers high quality results on time and his written and verbal English communication skills are excellent. Sam has been a great benefit to Massless and he was very personable and communicative. He comes highly recommended."

Aug 2019 – Dec 2021

Senior Full Stack / Smart Contract Developer

Five Jars

Since Aug 2019, I had worked as a full stack / smart contract developer at Five Jars, completing 4 projects.

Roles and Responsibilities:
1) *Envision and develop the features to help building new applications.*
2) *Collaborate with the team and cross-functional partners on all aspects of product development.*
3) *Identify and advocate for team-wide areas of improvement and best practices.*
4) *Mentor team members to refine their technical and architectural skills.*
5) *Take a security first approach to smart contract development.*

Skills & Experience:
1) *Experience owning and shipping multiple products.*
2) *3+ years of industry experience in software engineering.*
3) *2+ years of experience in quantitative finance.*
4) *Basic Solidity understanding, preferably with at least one project shipped to Mainnet.*
5) *Ability to quickly iterate and ship code using test-driven development patterns.*
6) *Experience in ecommerce development.*
7) *Experience with version control, such as Git.*
8) *Knowledge of engineering best practices such as continuous integration.*

💼 EXPERIENCE & WORK HISTORY

Work History:

1. *DEXPAD (https://dexpad.io)*
   - Supported Chief Technology Officer with daily operational functions.
   - Consulted the structure of smart contract development for DEX and defined Access Control and security.
   - Developed ERC20 based token factory so that customers can create their own crypto token(Standard Token, Liquidity Generator Token) without developing their own token smart contract.
   - Developed smart contracts using Solidity and implemented the test scripts on smart contracts using Truffle.
   - Audited the security and quality of smart contracts the teammates developed.

2. *Pegaxy (https://play.pegaxy.io)*
   - Performed the initial client assessment and analysis to begin the research process.
   - Defined what smart contracts to be needed for pega racing game.
   - Developed ERC721 based token(pega), ERC20 based token(PGX, VIS) using Solidity and implemented the test scripts on smart contracts using Truffle.
   - Developed smart contracts for pega marketplace using Solidity and implemented the test scripts on smart contracts using Truffle.
   - Collaborated with frontend team.
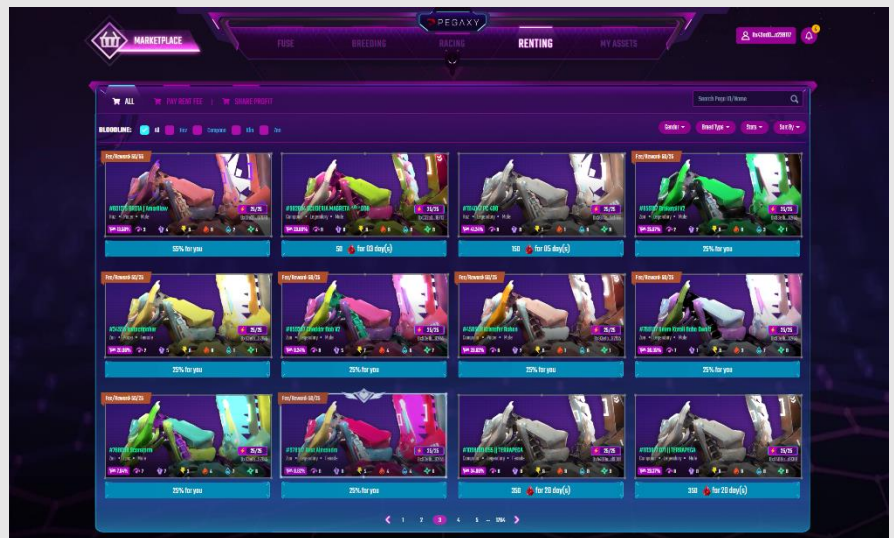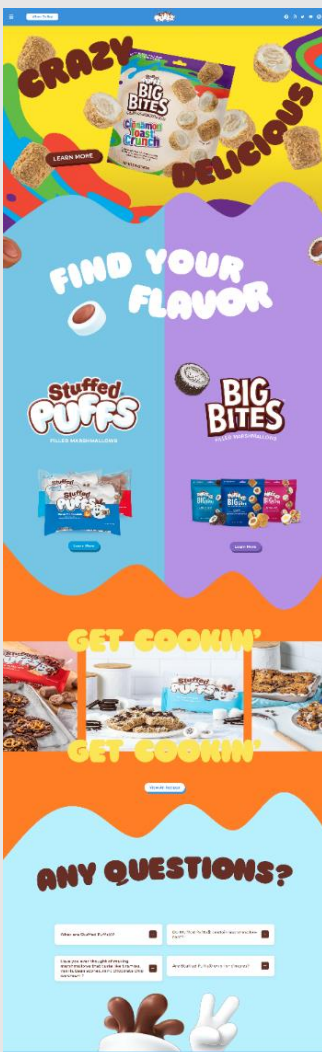
3. *Stuffed Puffs (https://stuffedpuffs.com)*
   - Developed ecommerce site using Shopify.
   - Built the landing pages and optimized the page loading speed.
   - Improved the user interface with pixel perfect and responsive web design.
   - Worked in Shopify API integration.

EXPERIENCE & WORK HISTORY

Review from Company:
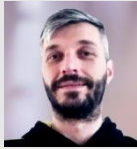
MILOS JOVANOVIC (Chief Technology Officer): "Sam Lin is a great person to work with and does some fantastic work with great concepts. He has a great knowledge about DeFi and ability to implement it. He can work on multiple blockchains. As a smart contract developer, he supported me excellently. I recommend him."

MIKE (Team Leader): "Sam has embraced our work and has efficiently supported our product development needs in the web development vertical, his work is very fast and great. Actually his code is smart code and his experience and skill is very high."

Jan 2016 – Jun 2019

Senior Full Stack Developer

Advanced Intersection

Since 2016, I had worked as a full stack, full time developer at Advanced Intersection, completing 26 clients and 37 large and small projects in 3 years.

Am adhering to three important principles:
1) *Client Satisfaction is my priority rather than earnings that's why I work for quality only.*
2) *Credit is the greatest asset, sincerity is the most powerful weapon, practice is the most perfect verification, and passion is the most only motive power.*
3) *By collaborating closely with the clients, my aim at enhancing our client's capacity to grow their business and becoming a trusted long-term development partner.*

Work History:
1. *Buyback Boss (https://buybackboss.com)*
- Buyback Boss is the #1 online phone buyback program. We're constantly working to exceed customers' expectations and provide the absolute best experiences possible! We know that choosing an online buyback program can be difficult, so we tried to make the decision as easy as possible.
- Responsibility:
   Discuss the client's requirements and the proposed solution.
   Integrate Angular to the client's Wordpress site to make the site user friendly.
   Use Angular Universal to make the site SEO friendly.
   Optimize PHP code and MySQL database query.
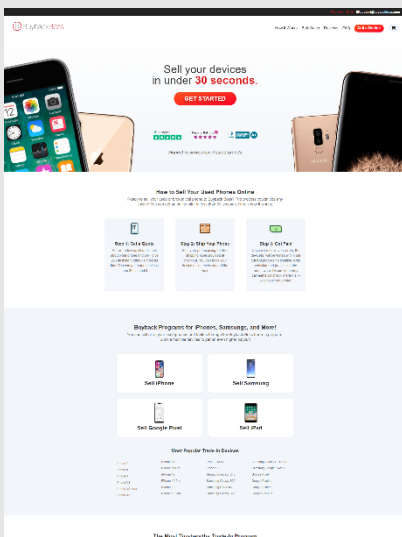   *Support the client with daily operational functions.*
- Technologies Used:
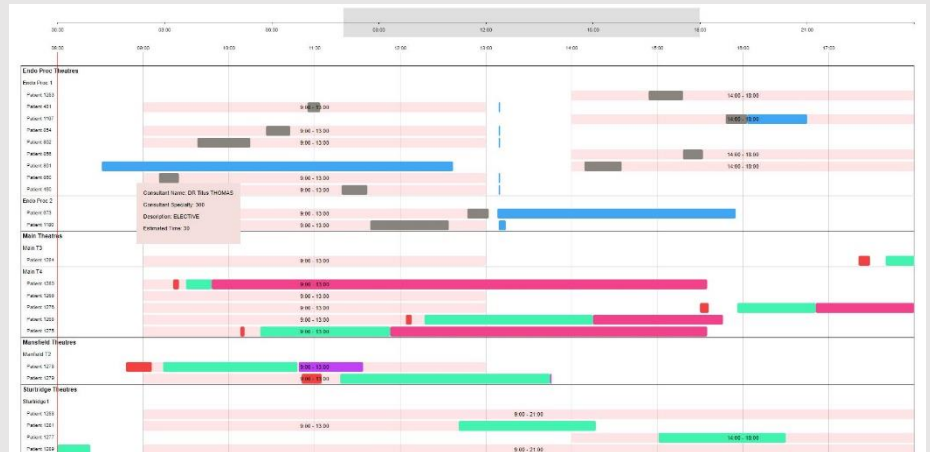   *Angular, Angular Universal*
   Wordpress, PHP
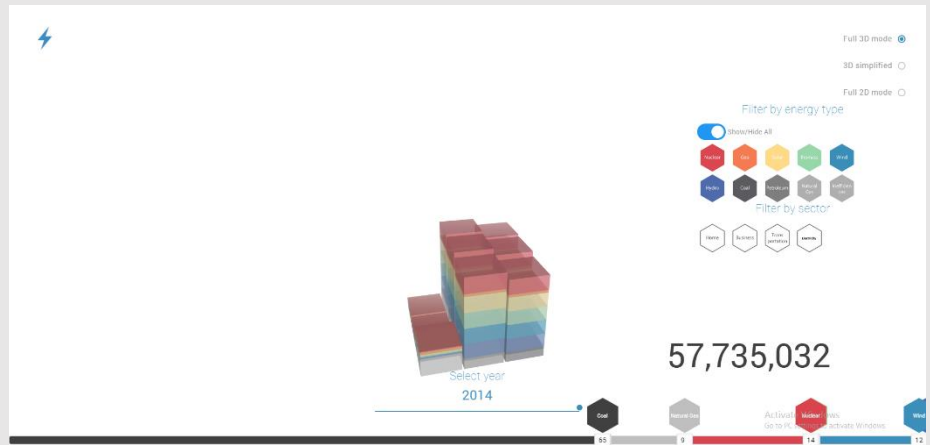   *MySQL*
   Nginx, CPanel

2. *Patient Management Dashboard*
- Technologies Used:
  D3.js, jQuery, HTML, CSS

3. *Energy Map*
- Technologies Used:
  Three.js, jQuery, HTML, CSS

4. *Polimekanos*
- Polimekanos is a graph design practice based in London and Vienna, and works across a variety of media, from visual identities, books, exhibition design, websites and wayfinding to public realm work. Polimekanos has a reputation for a working method that is research-led, that allows place, history and the immediate context to inform the design process, and that Is at the same time open to unusual references, interdisciplinary and contemporary discourses.
- Link:
  https://polimekanos.com
  https://coursdepoetique.org
- Responsibility:
  Discuss the client's requirements and the proposed solution.
  Upgrade the site's Django version.
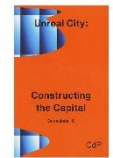
Improve admin page using Wagtail.
Integrate Stripe payment.
Continuously improve system logic and frontend.
DevOps.

- Technologies Used:

  Python/Django, Wagtail, PostgreSQL
  HTML, CSS, jQuery
  Twilio SMS, Stripe
  Docker, CircleCI, Linux
  Bitbucket

- Client & Review
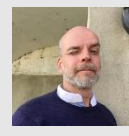
JOSEPH KOHLMAIER (Co-Founder): "Sam Lin was amazing to work with. We were able to improve our system continuously with him. He communicates well and is very responsive when anything else needs to be done, and was willing to work outside of his timezone to get our project done in a more than timely manner. Very skilled with Python and Django, which is what our project needed. We will definitely work with him again in the future for our Python and Django projects. Highly recommend working with Sam."
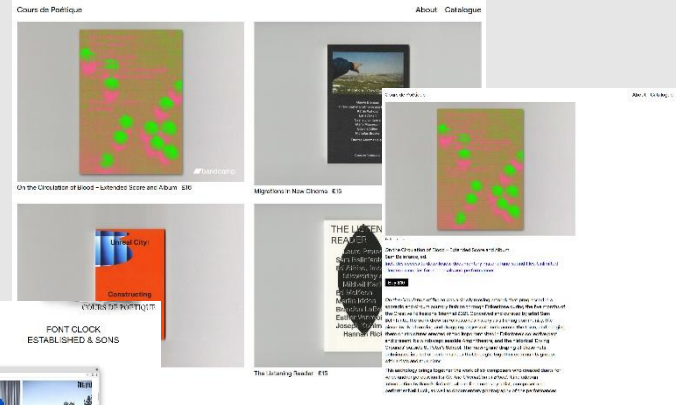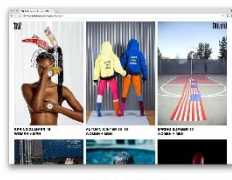
EXPERIENCE & WORK HISTORY

5. Businessfriend

- Businessfriend is an all-in-one communication platform that allows you to talk, chat & collaborate with people anywhere in the world. It's messenger platform allows you to connect the dots with your workflow with such features as simple and secure messaging, along with free audio and video calls. It's cloud platform allows you to collaborate between conversation & cloud, store files, photos and notes and effortlessly share with your colleagues & friends. In addition, Businessfriend even has its own interactive news platform that allows you to stay up-to-date with the content that matters to you.
- Link:
  Website: https://businessfriend.com
  Apple Store: https://apps.apple.com/us/app/businessfriend/id1001870442
  Google Store:
  https://play.google.com/store/apps/details?id=com.businessfriend.android
- Responsibility:
  Discuss the client's requirements and the proposed solutions.
  Develop backend API using Node.js, Express.js, MongoDB to support frontend and mobile functionality.
  Develop frontend using Angular.
  Develop the Angular custom emoji picker package for BF.
  Integrate 3rd party service.
  Collaborate closely with the colleagues(Android & iPhone App development team, designer) to constantly innovate app functionality and design.
  DevOps.
- Technologies Used:
  Node.js, Express.js, MongoDB, Redis
  HTML, CSS, Angular
 *OpenTok, Amazon SNS, Apple Push Notification, Socket.io, Amazon S3, Twilio SMS*
 *Linux, Github, Asana*
- Client & Review:

  GUS MUMBY (Project Manager) & DECKER TAYLOR (Chief Executive Officer): "I hired Sam Lin and have found him to be a very talented and conscientious worker, who has been very cooperative and forthcoming in resolving any issues that I brought to his attention. His quality of work has been very good, and I am totally satisfied with the end product. I would recommend him to any client."
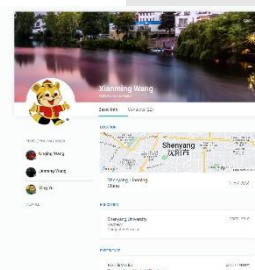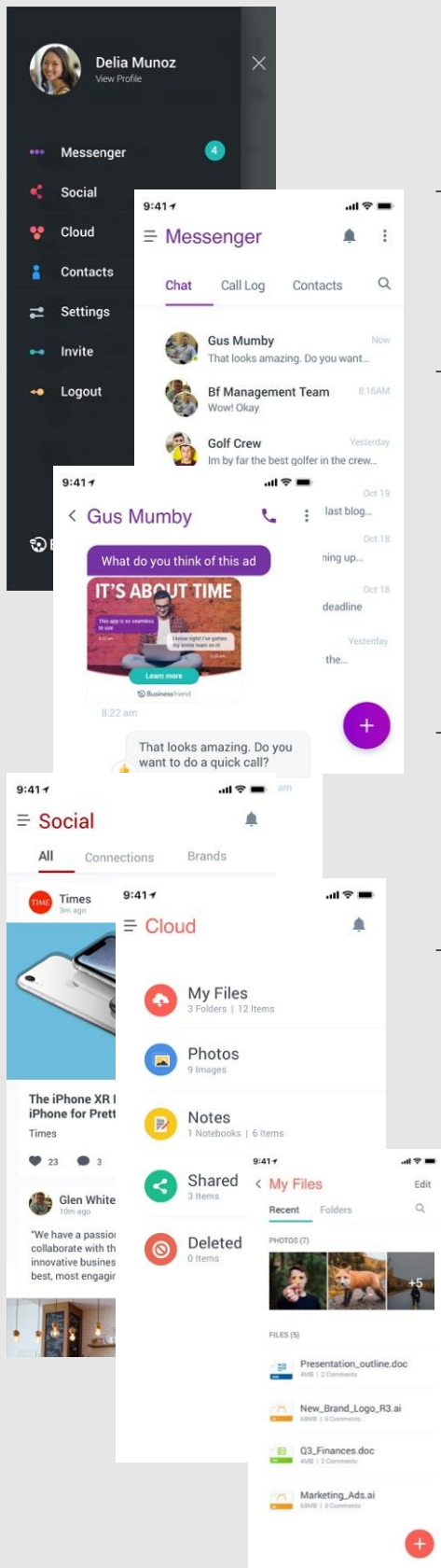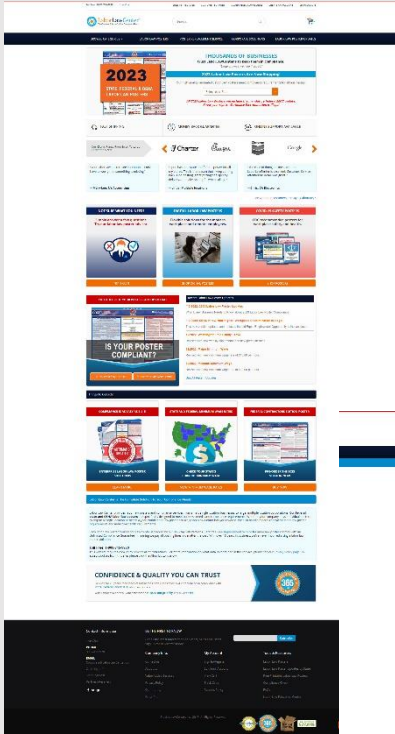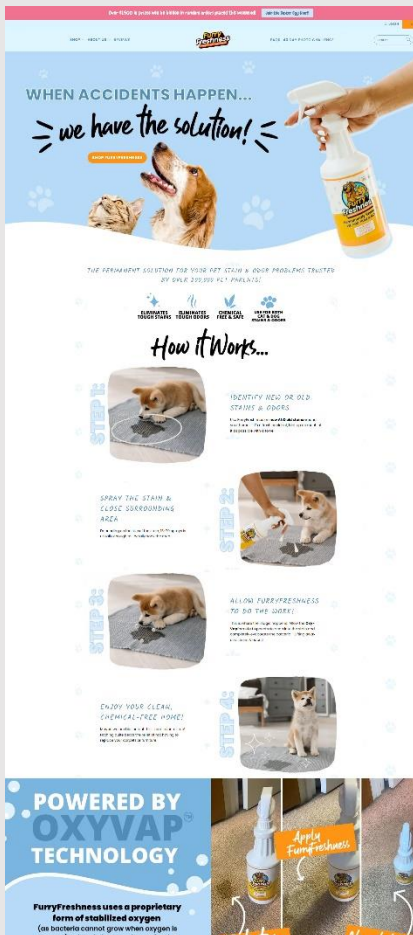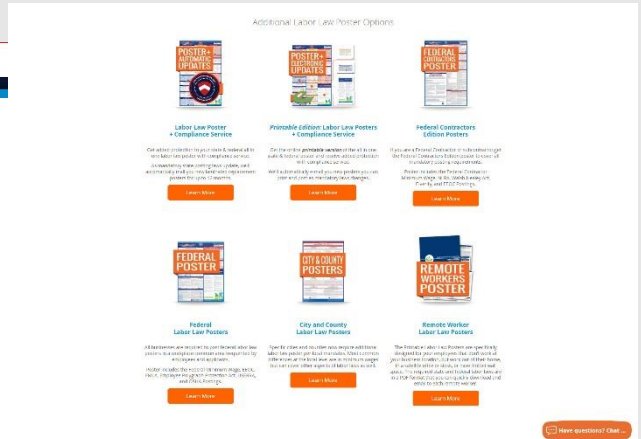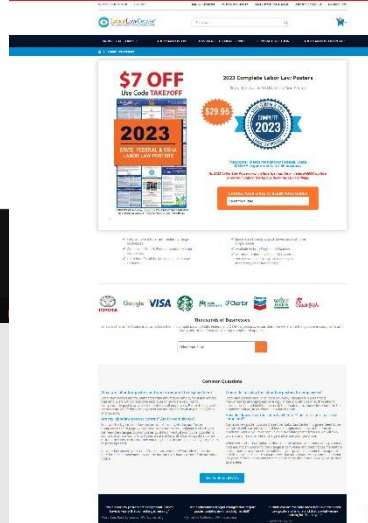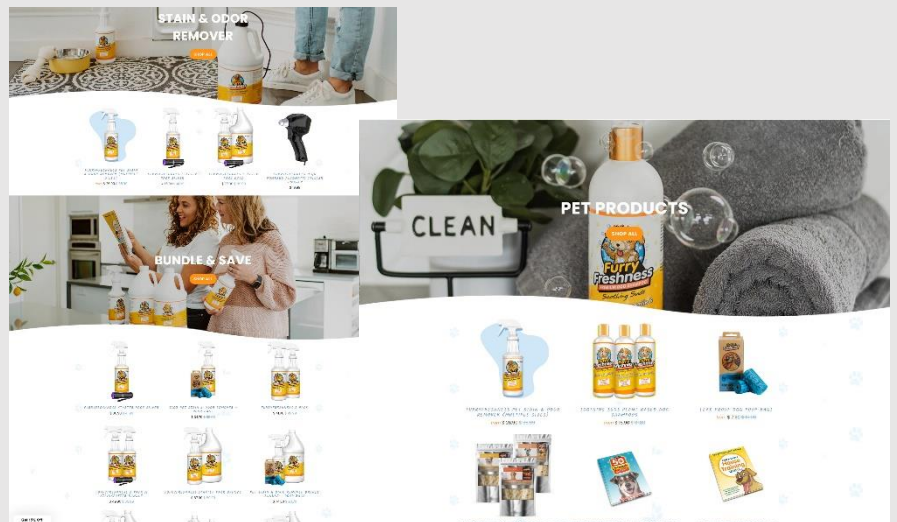
6. *LaborLawCenter (https://laborlawcenter.com)*
- Responsibility:
  Discuss the client's requirements and the proposed solutions.
  Continuously improve the frontend.
  Create the Magento custom extensions for LLC.
  Upgrade the site from Magento 1 to 2.
- Technologies Used:
  Magento 1 & 2, PHP, MySQL
  HTML, CSS, jQuery
  Linux, CPanel

7. *Campbell Miller Tools (https://campbellmillertools.co.uk)*
8. *UK STOVES (https://ukstoves.co.uk)*
9. *Fit my car (https://fitmycar.com)*
10. *THE WINE SOCIETY 1874 (https://thewinesociety.com)*
11. *POP & BOTTLE (https://popandbottle.com)*
12. *SATECHI (https://satechi.net)*
13. *WIND RIDER (https://windrider.com)*
14. *TRI COMPONENTS (https://tricomponents.com.au)*
15. *Cheap as Chips (https://cheapaschips.com.au)*
16. *Furry Freshness (https://shop.furryfreshness.com)*

EXPERIENCE & WORK HISTORY

Apr 2014 – Dec 2015
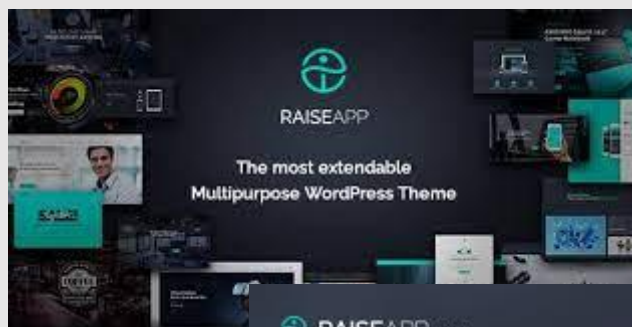

Senior Web Developer

Shanghai Zhijin Information Technology Co.Ltd

Since Apr 2014, I had worked as a web developer at Shanghai Zhijin Information Technology Co.Ltd, completing 6 large and small projects.

Work History:

1. *RaiseAPP & Discoure*
   - Developed Multi-purpose Wordpress theme & HTML template.
   - Daily customer support.

2. *Shopify App*
   By leveraging Australia POST, Canada POST and Temando service, developed Shopify App for the order fulfilment using PHP.

Apr 2013 – Mar 2014

Intern

Shanghai Zhijin Information Technology Co.Ltd

Since Apr 2013, I had worked as Intern at Shanghai Zhijin Information Technology Co.Ltd.

Involved in converting UI design to HTML.
Proficient in developing web page quickly and effectively using HTML5, CSS3/SCSS/LESS, javascript, jQuery.
Experienced in developing web page responsive and cross browser compatible.

CLIENTS & REFERENCES

Richard Casemore: *Web3 Lead in Massless*
- ✓ *Location: London, England, United Kingdom*
- ✓ *Phone: +44 7948 309251*
- ✓ *Linkedin: https://www.linkedin.com/in/richardcasemore*
- ✓ *Collection: Massless from Mar 2022 to Sep 2022*

Jack Cohen: *Chief Executive Officer in Massless*
- ✓ *Location: San Francisco, California, United States*
- ✓ *Linkedin: https://www.linkedin.com/in/jackacohen*
- ✓ *Collection: Massless from Mar 2022 to Sep 2022*

Heather Hosler: *Chief Technology Officer in Massless*
- ✓ *Location: United Kingdom*
- ✓ *Phone: +44 7863 121391*
- ✓ *Linkedin: https://www.linkedin.com/in/heather-hosler*
- ✓ *Collection: Jungle Freaks, Angry Ape Army projects from Mar 2022 to Sep 2022*

Veronika Nesheva: *Chief Operating Officer in Massless*
- ✓ *Location: London, England, United Kingdom*
- ✓ *Linkedin: https://www.linkedin.com/in/vnesh*
- ✓ *Collection: Jungle Freaks, Angry Ape Army projects from Mar 2022 to Sep 2022*

**Connor Rankin**: *NFT Strategy & Operations in Massless*
- ✓ *Location: Los Angeles, California, United States*
- ✓ *Linkedin: https://www.linkedin.com/in/connorrankin*
- ✓ *Collection: Jungle Freaks, Angry Ape Army projects from Mar 2022 to Sep 2022*

Milos Jovanovic: *Chief Technology Officer in Five Jars*
- ✓ *Location: Serbia*
- ✓ *Email: milos88@fivejars.com*
- ✓ *Collection: Dexpad from Feb 2021 to Oct 2021*
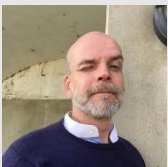
Joseph Kohlmaier: *Co-Founder in Polimekanos*
- ✓ *Location: London, United Kingdom*
- ✓ *Email: joseph@polimekanos.com*
- ✓ *Collection: Polimekanos website from Mar 2019 to Sep 2019*
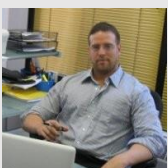
Gus Mumby: *Project Manager in Businessfriend*
- ✓ *Location: San Francisco, California, United States*
- ✓ *Phone: +1 270 704 4200*
- ✓ *Email: gus@businessfriend.com*
- ✓ *Collection: Businessfriend website from Apr 2018 to Apr 2019*