

# ANDY CHEN

Rich experience in full-stack software engineering with full product life-cycle and open source contribution. I care about user experience as much as internal/external developer experience, with multiple experiences in working with a cross-functional team. Currently earned AWS Certified Solutions Architect Associate(AWS CSAA).

## EXPERIENCE

**Blockchain Node Service Inc.**, San Francisco — *Founder and Project Lead Developer* July 2018 - PRESENT

- Leveraged Docker, AWS CloudFormation to speed up the full-node initial process, successfully decrease the usual full-node hosting DevOps from 3 weeks to 15 seconds.
- Distributed stable service globally with CloudFront and Route53, successfully cut server usage by 60% and decreased responding time by 50%.
- Developed a serverless, stateless architecture to deliver the first-of-its-kind full-node monitoring service and won the top 3 as “the most fundable project” on Draper Demo day in Fall 2018.

**Bodhi Project**, San Mateo — *Software Engineer* May 2018 - Oct. 2018

- Refactored the whole React UI library from redux to mobX architecture in 4 weeks and successfully initiated the migration from electron-based to browser-based DApp which ultimately led to an increase in usage by 2 times.
- Developed and audited production-ready complex solidity smart contracts on QTUM blockchain.
- Introduced style-checking linter and coordinated with teammates to improve the collaboration cycle and speed up the development process.
- Built the prototype of qinfura, a full node service for QTUM ecosystem.

**Ventured International Inc.**, San Francisco — *Chief Product Officer* July 2017 - April 2018 (company resolved)

- Co-authored whitepaper, designed and developed the end-to-end DApp from zero-to-one in less than a month.
- Implemented TDD with Jest to engineer production-ready smart contracts in Solidity and deployed to Ethereum Live Network with Truffle framework.
- Developed an ERC-20 compatible VentureCoin(VCN) token and successfully launched a 3-month crowd-sale in November 2017.

**Yeah Education Group**, Berkeley — *Lead Engineer & CTO* Dec. 2015 - April 2017

- Led a cross-timezone development team to migrate the full-stack app from angular 1.6 to React 15 in 3 months and migrate RESTful API to

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## TECHNICAL SKILLS

Languages: Javascript, **Nodejs**, **Golang**, Python, **Solidity**

Front-End: HTML/CSS/SCSS, Javascript, **React/Redux**, **MobX**, Gulp, **Webpack**, **RWD**

Backend: **RESTful API**, **GraphQL API**, Express.js, MongoDB, SQL, Next.js, SSR, SEO, JWT

DevOps: NPM, **Docker/K8S**, **TravisCI**, Truffle, **AWS CSAA**

## OPEN SOURCE CONTRIBUTIONS

**Vechain/thorify**, update documentation and suggest #8[closed] new thorify features

**amazingandyyy/mern-stack**, open source my mern stack boilerplate repo and gained 14 forks and participants

**nodejs/node**, submitted PR#10092[merged] and #10093[merged] to update and improve testing environment

**dawsbot/mailto**, submitted PR#3[closed], PR#4[merged] to resolve multiple issues and optimize key features

GraphQL hybrid API.

- Successfully scaled the business 20 times to 2M annual revenue in 2016 and led the company to join Berkeley-owned Skydeck incubator and push the company to become UC Berkeley's only official admission partner.

**Andysign Studio**, Mountain View — *Freelance Software Engineer* Oct 2014 - Sept. 2016

- Coordinated with 8 clients to develop websites including Groove Trend and Swallet, and Taiwanese Volunteer Group with about 1K daily visitors.
- Implemented A/B testing for UI elements, heatmap analysis on user behaviors and website SEO leading to a 100% increase in traffic and earned a full satisfaction rate from clients.

## EDUCATION

**Draper University**, San Mateo — *Certificated Startup Hero* Sept 2018 - Oct 2018

Grown venode project into BNS and graduated as top 3 of "the most fundable project" voted by hundreds of VCs on Demo Day. Completed full Hero Training Program and was nominated as "the most positive student" by Tim Draper.

**University of California, Berkeley**, Berkeley — *Bachelor's of Science, Cognitive Science* June 2016 - July 2018

The first and only student completing all 3 blockchain courses (Blockchain for Developers, Blockchain Lab, Blockchain Fundamental).

Certificate in Entrepreneurship & Technology from SCET and served as Tech Chair in Senior Class Council 18. Completed courses included Data Vis., Computer HCI, Cognitive Science, Linguistics, Data Structure, Discrete Math and Machine Learning.

## PROJECTS

**Leptin** — *A PoW cryptocurrency implement in Nodejs*

Designed and built a whole cryptocurrency in Nodejs with leveraging the power of WebRTC, LevelDB, hyperlogs to build a peer-to-peer blockchain implementing Proof-of-work, secp256k1 and dynamical difficulty.

**Etherbrite** — *An Eventbrite-like DApp.*

Built a DApp in Solidity, TruffleJS, Web3js and React/Redux. From deploying events on smart contract to register and check-in.

**VRPlayer** — *A video player built with ReactVR and openGL*

Built this video player on the fist of ReactVR's launch, with a focus on the interaction details of user experience in virtual reality.

## HACKATHONS/AWARDS

H4YT Blockchain Hackathon 2018 - **No.1 nomination by Cosmos** for building Celadon, a lotionjs middleware donating money to help our environment.

LAUNCH Hackathon 2016 - **1st place of Uber Challenge** for building Teleport, an advertisement site that connects customers and business.

AT&T IoT Hackathon - **Best Mobile App and IoT Solution Overall**[2015] for building Connect, a radio player controlled with Myo gesture controller.

## MENTORSHIP/GLOG

**Distributed Tech Salon**

authored a technical blog sharing a series of tutorials on web development, smart contract, DevOps and software design topics.

**DIDX/Vechain Community Group on Github**

I founded virtual organization on Github to discuss topics of developer experience and developer tools.

**NodeSchool Oakland and San Francisco Chapter** Served as regular monthly mentor in Nodesthool Oakland

**Reactathon, 2017** Served as a mentor at the hackathon held by the Real World React organization