ANDY CHEN

Rich experience in full-stack software engineering with full product life-cycle and open source contribution since 2014. I care about user experience as much as internal/external developer experience, with multiple experiences in working with a cross-functional team. Current hold AWS Certified Solutions Architect Associate (AWS-CSA) and Certified Kubernetes Application Developer (CKAD) by Linux Foundation.

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EXPERIENCE

Minted LLC, San Francisco — *Senior Infrastructure Engineer* March 2019 - April 2020

- Authored Kafka python/typescript client library
- Owned the whole internal protocol buffer development process of compiling, testing, and deploying and drove proto3 migration by researching and designed step-by-step migration plan, leveraging GNU make, shell scripts and dockers.
- Scale Flink/Beam data pipeline from one to N cluster each running K pipelines, and prepare chaos engineering by enabling high availability mode
- Improved internal tooling and speed up Jenkins continuous testing/deployment pipelines by more than 5 times.

New Internet Service Inc., San Francisco — *Lead Site Reliability Engineer (SRE)* July 2018 - March 2019

- 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— *Senior Software Engineer* May 2018 - Oct. 2018

- Migrated 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.
- Built the prototype of qinfura, a full node service for QTUM ecosystem.
- 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.

TECHNICAL SKILLS

Framework: **Flink/Beam, Protocol Buffer, gRPC, Kafka**

DevOps: NPM/nexus, **AWS**, **Docker/K8S, TravisCI/Jenkins,** GNU make, Linux script

Backend: **RESTful/GraphQL,** express.js, MongoDB/SQL, Next.js, SSR, SEO, JWT

Languages: **Nodejs expert**, **Golang**, **Python, PHP, JAVA**, **bash**

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

OPEN SOURCE CONTRIBUTIONS

mern, open sourced mern stack boilerplate repo and with over 1K downloads and clones.

use-form-react, a react form hook made building form use in any react app.

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

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

- Authored technical yellow-paper, 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* 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 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 Web Developer* 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

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.

Draper University, San Mateo — *Certificated Fulltime Entrepreneur* Sept 2018 - Oct 2018

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

MENTORSHIP/BLOG

Distributed Tech Salon authored a technical blog sharing a series of tutorials on web dev, smart contract, DevOps and Arc. design topics.

DIDX/Vechain Community Group on Github I founded the virtual organization on Github to discuss topics of developer experience and developer tools.

NodeSchool Oakland and San Francisco Chapter Served as regular monthly mentor

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

HACKATHONS/AWARDS

H4YT Blockchain Hackathon 2018 - **No.1 nomination by Cosmos** with $10K cash for building Celadon, a lotionjs middleware donating money to help our environment.

LAUNCH Hackathon 2016 - **1st place of Uber Challenge with $5K awards** for building Teleport, an advertisement site that connects customers and businesses.

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