

Mitchell Huang

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EDUCATION

University of California, Berkeley (Berkeley, CA)

- ▶ Computer science student, August 2014 – December 2015

BACKGROUND

Experienced in architecting full-stack web applications and microservices, mostly for smaller companies and startups. Preferred web stack is Node.js/TypeScript/React. Enjoy being a wearer of many hats. Other interests are in distributed systems, infrastructure as code, and continuous integration + delivery.

EXPERIENCE

Ginger Labs (San Francisco, CA)

Senior software engineer, August 2018 – present

- ▶ Directly responsible for provisioning, maintaining, and deploying web applications to our staging and production Kubernetes (k8s) clusters on Google Cloud Platform (GCP).
- ▶ Directly responsible for API feature development on our Node.js/TypeScript backend.
- ▶ Re-wrote our CI/CD CircleCI workflow to build and deploy our Dockerized software to k8s.
- ▶ Developed a GitHub bot to assign and deploy pull requests to our staging environment.
- ▶ Re-designed our user account system to issue a JSON Web Token (JWT) for API authentication.
- ▶ Migrated our primary RDBMS from MySQL to PostgreSQL.
- ▶ Integrated Elasticsearch into our API for fast document searching and indexing.
- ▶ Explored alternative NoSQL document databases like Google Cloud Firestore for storing small, 160-byte conflict-free replicated data type (CRDT) objects.

Tetrabis (San Francisco, CA)

Co-founder, June 2017 – April 2018

- ▶ Developed an on-demand cannabis ordering and delivery platform similar to Eaze using Next.js, Node.js, GraphQL, and PostgreSQL.
- ▶ Worked with co-founder to source cannabis products from licensed cannabis distributors and growers to sell on the platform.
- ▶ Attended numerous dispensary licensing public policy meetings in San Francisco and Berkeley.
- ▶ Interviewed for the Y Combinator Winter 2018 batch.

Massdrop (San Francisco, CA)

Software engineer, May 2014 – August 2016

- ▶ Re-engineered Massdrop from PHP to an event driven Node.js/React single page app (SPA).
- ▶ Developed the “masterpiece” composition area of our new Talk feature using Draft.js.
- ▶ Integrated bitcoin payments via BitPay into our React frontend and Node.js API.
- ▶ Performed various A/B tests alongside our product team to increase user conversion.
- ▶ Lead the development of a native iOS/Android alpha app using react-native.

SKILLS

Programming languages

- Javascript (Node.js/React), Python, Java, Go, PHP, C, C++, MIPS

Database technologies

- PostgreSQL, MySQL, Redis, memcached, MongoDB, DynamoDB, Elasticsearch, SQLite

DevOps technologies

- Linux, AWS, GCP, Kubernetes, Docker, CircleCI, Drone, Jenkins, Ansible, NGINX, Varnish

PUBLICATIONS

“Efficient and generalized processing of multidimensional NUS NMR data: the NESTA algorithm and comparison of regularization term”, Shangjin Sun, Michelle Gill, Yifei Li, Mitchell Huang and R. Andrew Byrd, Journal of Biomolecular NMR, DOI 10.1007/s10858-015-9923-x.