

Tiffany Han

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WORK EXPERIENCE

CARTA | SOFTWARE ENGINEER => PYTHON, DJANGO

Jan 2022 - Jan 2023 | San Francisco

- Tech lead for background check integration to reduce fraud and meet industry compliance standards- technical design, planning, working with product managers, shepherding release, monitoring, and maintenance of code.
- Worked with a team of engineers to build an in-app messaging center for company execs to communicate with their stakeholders. Wrote the code from scratch and shipped to customers well within one quarter.
- Reduced tech debt by deprecating and removing the longest-running feature flag in Carta's dev history, while also saving the company 200K per year in subscription integration fees.
- Improvements to production data quality and integrity integral to Carta's core business value.

PARABOL | SENIOR BACKEND ENGINEER => NODE.JS, TYPESCRIPT

Jun 2020 - Jan 2022 | Remote

- Led our DB migration from RethinkDB to PostgreSQL with zero downtime in production.
- Single-handedly implemented an in-house video integration prototype using low level API provided by mediasoup SFU library.
- Helped us reach industry standard security compliance by automating backups, encrypting production data at rest, protecting staging and development environments, etc.
- Increased system observability by adding server side source maps.

LYTE | BACKEND ENGINEER => PYTHON, DJANGO

Apr 2018 - Mar 2020 | San Francisco, CA

- Lead Engineer for external integrations which generated \$13M+ in revenue in 2019.
- Migrated our fulfillment monolith over to modular microservices, making our entire fulfillment system easier to debug, extend, and reason about.
- Rewrote our data modeling and app logic to calculate prices, which allowed us to display line item receipts based on dynamic fee structures.
- Implemented otherwise blocking tasks as async background jobs, using our Celery servers and Redis messaging broker.
- Added Magic Link (password-less) authentication, which increased conversion rates and is now the default path to authenticate for all users.

PREFIXY | CO-CREATOR OF OPEN-SOURCE PROJECT => NODE.JS, REDIS

Jun 2017 - Apr 2018 | Remote

- Built a highly scalable, query optimized hosted prefix search service for building autocomplete suggestions.

DAILY BRUIN | FULL-STACK WEB DEVELOPER INTERN => PYTHON, DJANGO

Oct 2016 - Jun 2017 | Los Angeles, CA

- Worked on bruinwalk.com, a data-driven reviews site widely used amongst UCLA students.

UDACITY | CONTRACT SESSION FACILITATOR => PYTHON, JAVASCRIPT

2015 - 2016 | Santa Monica, CA

- Facilitated in-person sessions where Udacity students in LA learnt about various web technologies together.

SUMMARY

Backend server engineer with 5+ years of professional experience within high-growth startups, from seed stage to pre-IPO companies. Works best in highly collaborative team settings. Comfortable taking end-to-end ownership of projects. Proponent of agile methodologies.

ACHIEVEMENTS

SPEAKING

Spoke at SFNode, 42 Silicon Valley, and Berkeley Javascript Dojo.

WRITING

Author of various technical articles, including "Building Prefixy" and "How We Built Prefixy".

SKILLS

LANGUAGES

Python • SQL • Node.js • Typescript • Ruby

FRAMEWORKS

Django • GraphQL • Express • Rails

DATA STORES

PostgreSQL • Redis • MongoDB

ETC

grpc • git • ssh • unix • vim • vscode

PLATFORM

K8s • Docker • AWS • GCP

EDUCATION

UCLA

BA PHILOSOPHY

Los Angeles, CA

Summa cum laude • GPA: 3.96

Studied analytic philosophy with an emphasis on Philosophy of Language, while spending nights and weekends on writing various programs in Python and Ruby.