Kai Xie

⌂ GITHUB.COM/HULLOITSKAI

I'm a generalist software engineer, amateur systems designer, a creative and a tinkerer/hacker.
I like to build things that make people smile!

Experience

Playces 🔗 PLAYCES.IN   **Chief Technology Officer** 2019-04 → 2022-10

- Designed and built flexible tools to modernize independent tourism businesses, enabling them to take bookings and payments online, automate manual processes, and reach more customers.
- Provided technology services that gave partner businesses more efficient processes, observability into under-utilized resources, and the operational agility to really grow; our customer champion increased bookings by 250%, tripled the number of experiences offered, and increased revenue per booking by 40% after switching from AirBnB & Fare Harbor to Playces.
- Configured and maintained critical infrastructure, including our Kubernetes cluster, databases, continuous integration systems, error reporting tools, performance monitoring tools, analytics, authentication services, and search clusters.

Universe 🔗 UNIVERSE.COM   **Software Developer Intern** 2019-01 → 2019-04

- Developed & maintained tooling for managing the infrastructure of a microservices-based system.
- Wrote an internal tool (designed to be open-sourced later) for orchestrating on-demand staging environments on Kubernetes, as a part of our code review and quality assurance process.
- Researched and implemented optimizations to half the amount of time it took to launch a staging stack, reducing wait times in our quality assurance workflow and cloud computing bills.

ConsenSys 🔗 CONSENSYS.NET   **Software Developer Intern** 2018-04 → 2018-08

- Developed a team management webapp using React, MongoDB, and Neo4J to support the operation of decentralized organizations like ConsenSys.
- Worked with relationship-heavy data sets using graph databases, and architected a scalable data-heavy applications using Redux and websockets.
- Developed software in a fast-paced startup-like environment, with quick iteration cycles and continuous feedback.

Education

University of Waterloo 🔗 UWATERLOO.CA
Bachelor of Computer Science (incomplete)
2017-09 → 2019-04

Wilfrid Laurier University 🔗 WLU.CA
Bachelor of Business Administration (incomplete)
2017-09 → 2018-04

Skills

Front-End Web Development • EXPERTISE

HTML CSS JAVASCRIPT REACT GRAPHQL JSON MAPBOX SSR SEO

Back-End Web Development • EXPERTISE

GOLANG NODEJS NEXTJS RUBY ON RAILS SQL, NOSQL, GRAPH DATABASES ETL CACHING PERFORMANCE PARALLELLISM APIS, INTEGRATIONS WEBHOOKS TEXT & GEO SEARCH SECURITY, PERMISSIONS, XSS PREVENTION

DevOps, Infra • EXPERTISE

GOLANG KUBERNETES, CRDS, OPERATORS, GITOPS DOCKER CONTAINERIZATION CI & CD TERRAFORM AWS GCP DIGITALOCEAN ELASTICSEARCH POSTGRES REDIS SITE RELIABILITY SECURITY & HARDENING

Design, UX, UI • PROFICIENCY

FIGMA SKETCH DESIGN SYSTEMS ANIMATIONS HUMAN-CENTERED DESIGN USER INTERVIEWING