

Jason Wu

Atlanta, GA | jason.wu2153@gmail.com | jasonwu.io | github.com/wu-json | linkedin.com/in/wu-json

EDUCATION

Yale University: B.S. in Computer Science (2022)

Select Courses: Artificial Intelligence, Data Structures & Algorithms, Systems Programming & Computer Organization, Digital Systems, Databases, Object-Oriented Programming, Software Engineering, Discrete Mathematics

WORK EXPERIENCE

Senior Software Engineer (Platform) - Snackpass (partners.snackpass.co) San Francisco, CA 2022/06 - Present

Migrated entire backend infrastructure from Heroku to Kubernetes on AWS, reducing infrastructure cost by 50%. Revamped RabbitMQ publisher and consumer implementations, significantly reducing the rate of incidents. Moved critical accounting repos to Turborepo monorepo. Configured CI/CD for fleet of 2000+ on-prem kiosk devices. Instrumented all services with DataDog and created dashboards and alerts. (Kubernetes, TypeScript, Turborepo, Node.js, AWS, DataDog).

Senior Software Engineer (Contract) - Fizz (joinfizz.com) New York, NY 2023/03 - 2023/11

Significantly improved reliability and observability of critical bank account connection flows, and transaction authorization + ingestion webhooks using Temporal workflows. Created rewards ledger infrastructure from scratch. Migrated codebase to Turborepo monorepo and configured CI/CD pipelines for services across the entire stack. Created in-house CX tool from scratch using SvelteKit and Tailwind CSS. (NewRelic, TypeScript, Turborepo, Node.js, SvelteKit).

Software Engineer (Full Stack) - Atom Finance (atom.finance) New York, NY 2021/09 - 2022/05

Worked on market, stock, and crypto API products. Implemented advanced charting visualizations for technical trading products. Created and maintained crypto data ingestion pipeline and live price streaming. (TypeScript, React, Apollo GraphQL, Node.js, PostgreSQL, TypeORM)

Software Engineer (Full Stack) - Rutter (rutterapi.com) San Francisco, CA 2021/11 - 2022/04

Worked on abstraction of platform-specific ecommerce and accounting APIs to increase the configurability and speed of data-fetching jobs. Set up unit and integration testing architecture and CI from scratch. Designed and implemented declarative code generation tools for supporting new platforms. (TypeScript, Node.js, PostgreSQL, TypeORM, AWS Aurora)

Software Engineer (Backend) - Amazon (amazon.com) Seattle, WA 2021/06 - 2021/09

Designed and implemented label set automation for evaluating cost anomaly detection precision for AWS insights & Enterprise Tools and AWS Cost Anomaly Detection. Project reduced time to create label sets from 5+ hours to a few minutes. (Python, TypeScript, SQL, AWS Lambda, AWS CDK, AWS Sagemaker)

Software Engineer (Full Stack) - Snackpass (partners.snackpass.co) San Francisco, CA 2020/05 - 2021/06

Led Apollo GraphQL migration on monolith server and client-side repositories. Implemented real-time kitchen display system mobile app from scratch. Built contactless QR-based dine-in system for order checkout. (TypeScript, React, React Native, Apollo GraphQL, Node.js, Redux, MongoDB, Firebase, AWS, Datadog, Sentry, Socket.io)

Solo Founder, Engineer (Full Stack) - Vailable (vailable.io) New Haven, CT 2019/10 - 2020/03

Designed and implemented full-stack responsive web application for meeting/event scheduling. Funded by Tsai Center for Innovative Thinking Student Innovation Fund. Consistent 1,200+ monthly unique visitors. Listed on ProductHunt and IndieHackers. (TypeScript, Apollo GraphQL, React, Node.js, MySQL, AWS)

SKILLS

Languages: TypeScript, JavaScript, Terraform, Rust, Python, Go (I use Neovim btw)

Frameworks & Runtimes: Temporal, React, SvelteKit, Node.js, Tokio, Tailwind CSS,

Platform: Temporal IO, Kubernetes (AWS EKS), DataDog, NewRelic, RabbitMQ (CloudAMQP), Heroku, Cloudflare, Grafana

Databases: MongoDB, Postgres, Redis (AWS ElastiCache)