

Primarily a TypeScript and back-end engineer with 7+ years of experience, who designed and developed solutions from day one. Open to relocation and working on-site. US citizen, currently living in Dallas, TX.

Toolbox

Amazon Web Services	API Gateway, CloudWatch, CDK, CloudFormation, Connect, DocumentDB, DynamoDB, EC2, ECS, IAM, Lambda, Route 53, S3, SNS, SQS
Google Cloud Platform	BigQuery, Cloud Functions, Kubernetes, APIs (Drive, Gmail, Identity, Maps, Operations Research Tools, Text-to-Speech, Translation, Vision)
APIs & etc	Docker, Firebase (Firestore, Functions), Material UI, MongoDB, OpenTelemetry, PostgreSQL, React, Redis, SendGrid, Stripe, Swagger, Twilio (SMS, Video), web3.js, WebRTC, WebSockets
Testing & QA	Jest, Mocha with Chai, Sinon; Golang's testing package; Selenium
Other languages	Assembly, Bash, C, C++, Java, Go, Python, Rust, Solidity

Mapbox (mapbox.com) | Senior back-end engineer

Sep 2023 - Present

- Helped design and develop the service that allows security-focused customers to retain control of their proprietary data while utilizing Mapbox's web-based computational products.
- Designed and developed an internal knowledgebase AI assistant with Slack as the user interface.
- Provided bug fixes, security vulnerability updates, and implemented new features in multiple services.

Alto (ridealto.com) | Senior back-end engineer

Dec 2021 - Aug 2023

- Helped design and develop the shift scheduling service as the sole back-end engineer.
- Contributed to several services by adding new features, bug fixes, tests, tracing, insightful logging, and alerts.
- Started and maintained an engineering support handbook to decrease incident resolution times.
- Mentored junior developers to ensure consistent architecture and codebase.

SuperCare Health (supercarehealth.com) | Senior full-stack engineer

Feb 2017 - Dec 2021

- Designed, developed, tested, and provided documentation for the following projects:
 - Back-end service supporting digital signing capabilities, including on-demand dynamic PDF generation,

and a full-stack tool enabling the staff to create signable documents.

- Full-stack watchdog monitoring in-house web apps across 20+ servers, a status dashboard with real-time log streaming capability, and email and text alerts for crashes, freezes, and resource utilization.
- Internal and customer-facing notification service on a serverless architecture in Go that sends emails, texts, and faxes for various events.
- Consolidated internal authentication into a service and provided front-end and back-end middlewares.
- Dashboard displaying real-time and historical locations of the company's delivery drivers on a map.
- Significant contributions include:
 - Created React components and integrated AWS Connect into the core internal web app, enabling staff to receive calls and view calling customers' documents and information in one screen.
 - Migrated MongoDB from on-premise servers to replica sets on AWS EC2s, then again to DocumentDB.
 - Migrated web apps from on-premise servers to AWS and set up failovers in GCP.
 - Built a background job that converts scanned documents and inbound faxes into PDFs, uploads them to appropriate Google Drive folders, and sends email and/or text alerts.
 - Created mass outbound IVRs and collaborated with analysts on models and ETL of IVR responses.

Dylect | Startup attempt

Developed a full-stack, peer-to-peer video chat web app using WebRTC. Integrated a collaborative whiteboard with image sharing, text chat with translation and speech-to-text, and crypto payments via Solana.

Trading bot | Personal project

Developed a program with the ability to execute modular trading strategies based on various technical indicators. Included a simulator for testing strategies and a dashboard with graphs and data overlay.

University of California, Los Angeles

Computer Science, BS

Graduated Dec 2015