

**Alto** | ridealto.com | Senior back-end software engineer

Dec 2021 - Aug 2023

- Created microservices, serverless functions, and helped design the models required to realize the shift scheduling product.
- Contributed to several services by adding new features, bug fixes, and improved their robustness with tracing, helpful logging, alerts, and increased unit test coverage.
- Started and maintained an engineering support handbook to increase response times.
- Mentored junior developers to ensure consistent architecture and codebase.

**SuperCareHealth** | supercarehealth.com | Senior software engineer

Feb 2017 - Dec 2021

- Designed, developed, tested, and provided documentation for the following projects:

Digital signatures	Back-end service providing digital signature functionality, dynamic PDF rendering, and a framework for the staff to create signable documents.
Full-stack watchdog	Monitors in-house web apps across multiple servers, a dashboard displaying status and log streaming, and email and text alerts for crashes, freezes, low resources.
Notification service	Internal and customer-facing back-end service on a serverless architecture in Go that sends emails, texts, and faxes for various events.
Call center	AWS Connect integration with custom React components and mass outbound IVRs.
Authentication service	API server and front and back-end middlewares for use by internal web apps.
Delivery driver tracker	Dashboard displaying real-time locations of the company's delivery drivers on a map.
- Contributed to the following projects:

Document management	Provided multiple auxiliary features: convert inbound faxes into PDFs with Google Drive and SendGrid integration, React components for creating custom PDFs, more.
Care management	Created the back-end for the customer-facing iOS app.
Infrastructure	Migrated servers from GCP to AWS, MongoDB replica sets to AWS DocumentDB.

**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 investment strategies and a dashboard with graphs and data overlay.

**Dylect** | Personal project / startup attempt

- Developed a full-stack, peer-to-peer video chat web application using WebRTC.
- Integrated a collaborative whiteboard with image sharing and text chat with translation and speech-to-text capabilities.

**University of California, Los Angeles**  
Computer Science, BS

Graduated Dec 2015

Primary stack	React with Redux, Material UI, TypeScript for front and back-end, NoSQL
Amazon Web Services	API Gateway, CloudWatch, Connect, DocumentDB, DynamoDB, EC2, IAM, Lambda, Route 53, S3
Google Cloud Platform	BigQuery, Build, Cloud Functions, Kubernetes, APIs (Drive, Gmail, Identity, Maps, OR Tools, Text-to-Speech, Translation, Vision)
APIs & tools & technologies	Firebase (Firestore, Functions), MongoDB, OpenTelemetry, PostgreSQL, Redis, SendGrid, Stripe, Swagger, Twilio (SMS, Video), web3.js, WebRTC, WebSockets
Testing & QA	Mocha+Chai, Jest, Sinon, AVA for Node.js; Golang's testing package
Other languages	Assembly, Bash, C, C++, Java, Go, Python, Rust, Solidity