

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

Dec 2021 - Aug 2023

- Created the 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 functionalities, dynamic PDF rendering, framework for others to create signable documents
Full-stack watchdog	Monitors in-house web apps across multiple servers, displays status and other details on an internal web portal, email and text alerts for crashes, freezes, low resources
Notification service	Internal and customer-facing back-end service on a serverless architecture that sends emails, texts, and faxes for various events
Call center	AWS Connect integration with custom React components and mass outbound IVRs
Authentication service	Front and back-end middlewares, API server for use by internal web apps
Delivery driver tracker	Dashboard displaying live locations of the company's delivery drivers on a map
- Contributed to the following projects:

Care management	Created the back-end for the customer-facing iOS app
Document management	Developed auxiliary full-stack services and React components
Delivery management	Provided an address validation service using USPS, various endpoints, code fixes
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 modularized trading strategies based on various technical indicators
- Included a simulator for testing investment strategies and UI 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; 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, CloudFront, CloudWatch, Connect, DocumentDB, DynamoDB, EC2, IAM, Lambda, Route 53, S3
Google Cloud Platform	BigQuery, Build, Cloud Functions, Kubernetes, Logging & Metrics, Tracing
APIs & tools & technologies	Firebase (Firestore, Functions), GraphQL, Google (Drive, Gmail, Identity, Maps, OR Tools, Text-to-Speech, Translation, Vision), MongoDB, OpenTelemetry, PostgreSQL, 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