

ELI BYERS

Software Engineer • Educator

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EXPERIENCE

Software Development Engineer L3 — Amazon Lab126, Santa Clara CA

Java, Go, Rust, Cloud Formation, DynamoDB, S3, Kinesis, SNS, SQS, SOA

December 2019 - Present

- Worked on the Ring cloud team, developing the new Sidewalk network
- Delivered internal Java library implementing ECDH and AES-CTR

Senior Software Engineer — Via Customers, San Jose CA

Javascript, Node.js, Mongo, Angular, Twilio, Bitly

July 2019 - September 2019

- Executed tasks including coding, debugging, mentoring and peer-review
- Managed repository, enforcing proper branch methodology for entire team
- Instituted and managed documentation and task tracking in Jira

Chief Technical Officer — Everchek, Buffalo NY

Javascript, Node.js, Express, Docker, MySQL, Sequelize, Twilio, Mocha, Chai, Sinon, Travis CI

July 2017 - July 2019

- Manage development team delivering SAAS platform built from the ground up
- Led software design, technology trade-off and implementation discussions
- Personally delivered the MVP of the attendance and asset tracking platform

Software Engineer — FLYR Inc, San Francisco CA

Python, Flask, Postgres, Google BigQuery, Google Cloud Storage, Google Cloud SQL, Scrum

Oct 2018 - Jan 2019

- Improved data ingestion and processing time by 500% in a Postgres POC
- Worked on the back-end Agile team for the company's largest client
- Constructed custom MySQL queries in collaboration with the data science team

Software Engineering Instructor — Coding Dojo, San Jose CA

Python, Flask, Django, MySQL, Javascript, Node.js, MongoDB, Angular, AWS, Swift, Xcode

June 2016 - Oct 2018

- Instructed 100+ students per month in full stack web and mobile development
- Led Swift iOS curriculum refinement resulting in a +30% exam pass rate
- Co-led public Amazon certified Alexa Skills workshops, adding 200+ new skills
- Delivered Dojo Hack, a tool to track hackathon grades and presentations
- Onboarded new instructors and trained them in curriculum and instruction
- Taught SQL and NoSQL, with a focus on ERD design, normalization
- Led daily algorithm sessions, focused on sorts, data structures, and search algorithms for trees and graphs

EDUCATION

Bachelor of Science in Cognitive Science — UC Santa Cruz

Fall 2010 - Spring 2015

Focused on AI and HCI. Experience programming Python and C, robotic automation, the EPIC cognitive architecture, assembly language, game design, and networking.

LANGUAGES

Javascript	Python
Java	Swift
Go	Rust
C	PHP

METHODOLOGIES

OOP	MVC
REST	ERD Design
Sockets	SAAS
Event Driven Programming	Reactive Web Design
State Machines	Scrum

BACK END

Flask	Django
Node.js	Express
Cloud Formation	SOA

DATABASE

MySQL	Postgres
Sequelize	Django ORM
MongoDB	Mongoose
DynamoDB	S3
Google Cloud SQL	Big Query
CoreData	UserDefaults

DEVOPS

Git	Docker
Mocha Chai Sinon	Travis CI
Google Cloud Platform	AWS

FRONT END

Angular.js	Angular
Xcode	Autolayout
Cocoapods	jQuery
AJAX	Bootstrap
Materialize	SASS