

# ELI BYERS

Software Engineer • Educator

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## EXPERIENCE

### Software Development Engineer — Amazon Lab126, Santa Clara CA

Java, Go, Rust, Cloud Formation, DynamoDB, S3, SOA

December 2019 - Present

- Worked on the Ring cloud team, developing the new Sidewalk network

### 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
- Held 1 on 1 code reviews and software development coaching sessions
- 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 in AI and HCI. Experience programming in 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