ELI BYERS

Software Engineer • Educator

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EXPERIENCE

Chief Technical Officer — Campus Coat Check, Buffalo NY

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

July 2017 - Present

- Manage development team for a new SAAS platform built from the ground up
- Lead software design and technology trade-off discussions
- Delivered the MVP of the attendance 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

- Worked on the back-end Agile team for the company's largest client
- Improved data ingestion and processing time by 500% in a Postgres POC
- Constructed custom MySQL queries to the data science team
- Engaged in daily standups and weekly design and tech discussions
- Advocated for OOP best practices and a clear, consistent code style guide

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 each month on Full Stack Web Development
- Co-led public Amazon certified Alexa Skills workshops, adding 200+ new skills to the skill store
- Led Swift iOS curriculum refinement resulting in a +30% exam pass rate
- Delivered internal tool to track student hackathon grades and presentations
- Onboarded new instructors including curriculum training and metric reporting
- Taught SQL and NoSQL, with a focus on design, normalization, and ERDs
- 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

Chief Technical Officer — SparkIt, Buffalo NY

Swift, Xcode, Cocoapods, Javascript, Node.js, Express, MySQL

May 2016 - July 2017

- Lead architect and developer of the SparkIt iOS app
- Delivered the event API aggregation server for the SparkIt app

EDUCATION

Bachelor of Science in Cognitive Science — UC Santa Cruz

Fall 2010 - Spring 2015

Focused in Artificial Intelligence and Human Computer Interaction. Experience programming in Python and C, robotic automation, the EPIC cognitive architecture, Assembly Language, game design, and networking

LANGUAGES

Highly Efficient

Javascript	ES5 ES6
Python 2	Python 3

Comfortable

Swift	Java

Working Knowledge

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

DATABASE

MySQL	Postgres
Sequelize	Django ORM
MongoDB	Mongoose
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	HTML/CSS