

ELI BYERS

Senior Software Engineer • Leader • Educator



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SUMMARY

Senior Software Engineer with expertise in IoT technologies, holding a Bachelor of Science in Cognitive Science from UC Santa Cruz, and currently excelling at Amazon Lab126. Proven ability to drive project success, deliver high-level system improvements, lead security and testing initiatives, and manage cross-functional development teams. Extensive experience in both educational and corporate settings, demonstrating adeptness in leading teams of students and developers alike.

| LANGUAGES | FRONT END | BACK END | STORAGE | OPS & TEST | METHODOLOGIES |
|------------|-------------|-----------------|------------|---------------------|-----------------------------|
| Java | Angular.js | Flask | MySQL | Docker | OOP |
| Kotlin | jQuery | Django | Postgres | Git | MVC |
| Python | SASS | Node.js | MongoDB | Mockito | REST |
| Javascript | Bootstrap | Java Spring | Django ORM | Travis CI | ERD Design |
| Go | Materialize | Cloud Formation | DynamoDB | AWS | Sockets |
| Swift | Xcode | AWS CDK | S3 | Google Cloud | SAAS |
| C++ | Autolayout | | CoreData | Mocha Chai Sinon | Event Driven Programming |

EDUCATION

- UC Santa Cruz 2015
Bachelor of Science in Cognitive Science, focused in AI and Human Computer Interaction
- Coding Dojo 2016
Graduate with Honors in Full Stack Web and Mobile iOS development

EXPERIENCE

— Amazon Lab126, Santa Clara CA

Java, Kotlin, Cloud Formation, CDK, DynamoDB, Redis, S3, EC2, ECS, Kinesis, SNS, SQS

Senior Software Development L6 — December 2022 - Present

- Enhanced system reliability and user satisfaction by identifying and solving critical technical issues.
- Spearheaded the creation of key technical documentation and tools for developer and public use.
- Displayed strong leadership by managing cross-functional teams, leading significant testing initiatives, and mentoring colleagues.
- Directly contributed to increased organizational value through proactive problem-solving and implementation of innovative solutions.
- Committed to continuous improvement and efficiency, driving changes in code review processes and system optimization.

Software Development Engineer L5 — December 2019 - December 2022

- Developed the Amazon Sidewalk backend as part of a global development team.
- Technical lead for the security and testing focus groups, managing developers, setting priorities, and driving development across teams.
- Designed, delivered and owned many production services and features.

— Via Customers, San Jose CA

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

Senior Software Engineer July 2019 - September 2019

- Collaborated with a team of developers to build and maintain a web platform for customer engagement and retention, coding, reviewing, debugging, and mentoring.
- Managed the software repository, enforcing developer best practices for style and structure.
- Instituted and managed company documentation in Confluence and task tracking using Jira.

— Everchek, Buffalo NY

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

Chief Technical Officer July 2017 - July 2019

- Managed the development team, driving and delivering a ready for market SAAS platform.
- Led software design and implementation discussions as we grew the development team.
- Delivered the initial MVP for Everchek, an attendance and asset tracking platform for event hosts.

— FLYR Inc, San Francisco CA

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

Software Engineer Oct 2018 - Jan 2019

- Improved a business-critical ETL jobs' execution time by 500% by using Postgres parallelization.
- Constructed complex MySQL queries to assist and support the data science team.
- Worked on the back-end Agile team for the company's largest client.

— Coding Dojo, San Jose CA

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

Software Engineering Instructor June 2016 - Oct 2018

- Instructed 100+ students per month in full stack web and mobile development in multiple languages, SQL/NoSQL, ERD design and normalization, and algorithms/data structures.
- Led Swift iOS curriculum refinement resulting in a +30% pass rate on the final iOS Belt Exam.
- Onboarded and trained instructors in curriculum development and instruction in the Coding Dojo style.
- Co-led a public Amazon certified Alexa Skills workshops, adding 200+ new skills to the Alexa skills store.

ACHIEVEMENTS

— **AngelHack Hack Homelessness** · Sep 2016

CorkBoard — Top 3

— **TechCrunch Disrupt SF** · Jan 2016

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