

Sean Mitchell Goodrich

Software Engineer

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EXPERIENCE

*Jan 2020 - Present
Los Angeles, CA*

Google Software Engineer III

- Investigate EWOQ billing, resulting in a refactor with table-valued-functions & GoogleSQL tests plus the discovery & fix of a bug in task time computation, resulting in savings of over \$1.2 million a year.
- Migrate authorization service APIs to support Zanzibar IAM authorization
- Develop evaluation details page for third party vendors. Create a new Java service to sanitize API responses
- Perform backfill of rater employment records. Develop launch plan, write SQL queries to validate changes, and update admin portal to support setting, updating, and validating values
- Fix & improve team's latency dashboard by adding filter options & timeseries charts
- Migrate EWOQ user details page from GWT to Angular Dart

*Sep 2019 - Jan 2020
Santa Monica, CA*

Cornerstone OnDemand, Inc Software Engineer

- Support in beta release of point-in-time headcount reporting
- Add event tracking via Amplitude Analytics to analyze user behavior

*Nov 2018 – May 2019
Los Angeles, CA*

Survios, Inc (bit.ly/2R5NIIP) Software Engineer

- Build Rise, a VR lobby, station management & customer reservation platform for location based arcades
- Use Vue.js & Django to integrate automated emails, uploads, coupons & Google maps

*Nov 2016 – Sep 2018
Seattle, WA*

Amazon Web Services (AWS) Software Development Engineer I

- Develop software for QuickSight, a new business intelligence (BI) product at AWS
- Design & implement new features including support for dashboard coownership & email notifications
- Contribute to enterprise & data excellence projects including AWS IoT Analytics data connector & CloudTrail operational auditing

EDUCATION

University of Michigan College of Engineering,

B.S.E. Computer Science
Graduation: April 2015

COMPUTER SKILLS

Front End Languages & Frameworks:

HTML, CSS, JavaScript, Angular, React, Vue.js, Dart, TypeScript, WebGL, Three.js

Back End Languages & Frameworks:

C++, Python, Django, Java, MySQL, Document databases

Tools:

Git, Perforce, AWS, Unity3D, Matlab, Jira, WordPress, Raspberry Pi, Maya, Adobe Creative Suite

Other:

OOP, Design Patterns, Web Dev, Agile Dev, Game Dev, XR, 3D Graphics, Computer Vision, Digital Art

RECENT PROJECTS

Cubism.js (bit.ly/2H7EwzL)

- Publish JS library for creating full-screen, 3D scrolling websites, composed of cubes

Cryptocurrency Bot

- Run AWS Lambda function to compare cryptocurrency prices across exchanges & text profitable arbitrage opportunities

Illusion Generator (bit.ly/2EWLem3)

- Program python script to generate image morphing optical illusions in Maya by utilizing perspective & linear algebra

INVOLVEMENT

Hacker Fund (Sep 2015 – Present)

- Mentor & judge hackathons
- Organized & ran remote STEAM camp for Compton Unified School District students
- Received 2021 Volunteer of the Year award