

Bisrat Zerihun

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PROFESSIONAL EXPERIENCE

Atlassian

San Francisco, CA

Software Engineer

July 2023 - Present

- Worked with the team on project scoping for the Data Loss Prevention team at Confluence Cloud
- Designed and implemented REST API endpoints to retrieve classification tags for administrative users, enhancing system functionality
- Conducted comprehensive testing of various features through acceptance, integration, and JUnit testing methodologies, affirming quality and reliability

Meta

Washington, DC

Software Engineer Intern

May 2022 - August 2022

- Engineered a robust full-stack correspondence tool to facilitate seamless connectivity between external users and employees through messages and multimedia, successfully managing over 100,000 requests upon launch.
- Designed and developed a configurable user preferences tab, leading to a noticeable increase in user satisfaction rates
- Collaborated with key stakeholders, content designers, and UX/UI designers to add organizational functionalities to tools
- Partnered with cross-functional teams and privacy engineers to build secure and privacy-aware tools
- Documented and presented findings on new internal frameworks to 40+ engineers
- Migrated deprecated systems, added metric logs, and performed extensive unit tests; improving team's code quality.

EDUCATION

Virginia Polytechnic Institute And State University (Virginia Tech)

Blacksburg, VA

Bachelor of Science, Major in Computer Science; Minor in Mathematics, Philosophy

2019-2023

- Awards: Dean's List for all terms, Magna Cum Laude distinction
- Relevant Courses: Data Structures and Algorithms, Software Design, Discrete Mathematics, Computer Organization, Combinatorics, Computer Systems, iOS development, Linear Algebra, Cryptography

SKILLS

Programming Languages

Proficient: Java, Python, C, PHP, JavaScript, TypeScript

Familiar: HTML and CSS, Swift, MATLAB

Libraries and Frameworks

Proficient: GraphQL, React.js, Relay, REST

Familiar: Node.js, express.js, Bootstrap, Flask

Tools and Platforms

Proficient: Git, Mercurial, JetBrains, Eclipse, Docker

Familiar: Webpack, AWS, GCP, Firebase, Heroku

PROJECTS

Disc. (disc-music.com)

Disc. is a web app that brings music discovery and community to the forefront. It has a BeReal vibe where users can send their "Song of the day" to others while our team also curates a "Song of the day" for users.(React, MongoDB)

Fantasy Playoffs

A machine learning model that predicts the winner of an NBA regular season game after synthesizing numerous player and team stats. (Python, excel, Sklearn, PyTorch)

Smart Image Resizing

An implementation of the seam carving algorithm which creates seams of the least important pixels from an image to remove or add while resizing. The product is a resized image with important components still intact. Uses dynamic programming and topological sorting to find seams. (Java)

EXTRACURRICULAR

National Society of Black Engineers (NSBE)

2019 - present