

William Lovo

Software Engineer

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Skills

PROGRAMMING LANGUAGES

Java / Kotlin • Javascript / Typescript •
Go • Python (Intermediate) • HTML/CSS

TECHNOLOGIES

AWS • DevFiles • React • SQL • Git • SASS

OTHER

Agile Development • System Design •
Testing • Documentation • Leadership •
Communication • Problem Solving •
Troubleshooting

Education

James Madison University

B.S. COMPUTER SCIENCE / 2020 / 3.94 GPA

AWARDS AND HONORS

President's List • Summa cum laude •
Madison Forever Scholarship

ORGANIZATIONS

Honors College • Upsilon Pi Epsilon

Relevant Courses

Algorithms Analysis and Design

JAMES MADISON UNIVERSITY / 2019

Studied various algorithm designs
(recursive, dynamic, greedy) and their
time/space efficiency to develop solutions
to computational problems.

Machine Learning

JAMES MADISON UNIVERSITY / 2019

Studied ML core principles and techniques.

Parallel and Distributed Systems

JAMES MADISON UNIVERSITY / 2019

Studied various distributed and parallel
computing models.

Experience

Software Development Engineer II

AMAZON WEB SERVICES / ARLINGTON, VA / 2020 - PRESENT

- Reduce our team's operational load by ~40% by developing self-service products to automate common requests.
- Improved the time to create a remote development environment by ~70% by moving away from an internal solution to a native AWS solution.
- Maintained 100% availability of an essential service during the migration of a dependency by designing and executing a blue-green deployment in coordination with various teams.
- Performed other software engineering tasks such as write production code, code reviews for colleagues, enforce best practices, draft system designs, write documentation, troubleshoot and debug software.

Mid-Level Web Developer

CHIEDO LABS / HARRISONBURG, VA / 2018 - 2019

- Contributed to 5+ full-stack web applications using various technologies such as Javascript, Node.js, React, Redux, Express, Next.js, MySQL, PostgreSQL, Jest, and others.
- Helped design 2 single-page applications after attending design planning calls with stakeholders to meet their business needs.
- Mentored 2 interns and 1 new employee.

Projects

Personal Profile Website

PUBLISHED 2023-04-30

Designed, created, and deployed a personal profile website to describe my experience as a software engineer. Used Typescript, HTML, SASS, Bootstrap, React, and AWS CDK.

POST: a Machine Learning Based Paper Organization and Scheduling Tool

ASSOCIATION FOR COMPUTING MACHINERY / PUBLISHED 2020-01-06

Contributed to the strategy of using natural language processing to categorize and group similar academic papers to schedule sessions for conferences.

Detecting Credit Card Fraud

JMU SCHOLARLY COMMONS / PUBLISHED 2020-10-13

Performed an analysis of standard fraud detection systems and strategies in order to propose a new strategy.