

JASON MAA

SOFTWARE DEVELOPER

(240) 463-3171 | jasonmaa3955@gmail.com | linkedin.com/in/jasmaa | github.com/jasmaa | jasonmaa.com

EXPERIENCE

Amazon Web Services – Arlington, VA

Software Development Engineer II

Dec 2023 – Present

Software Development Engineer I

Sep 2021 – Dec 2023

- Delivered AWS AppFabric, an AWS service that helps enterprise customers aggregate normalized security logs and generate insights across multiple SaaS vendors through generative AI, as part of the AppFabric team.
- Responsible for developing customer-facing API, AWS Console web app, and DNS network infrastructure.
- Built service monitoring and alerting system. This has ensured the team visibility into our service and allowed us to maintain 99.95% service availability.

Redhorse Corporation – Arlington, VA

Software Developer Intern

Jun 2020 – Aug 2020

- Delivered a web app to help researchers analyze COVID-19 research documents using a knowledge graph.
- Owned development for Spring Boot microservice to interface with Elasticsearch and Neo4j graph database.
- Optimized API logic, achieving a more lightweight process that reduced application search time by up to 40%.

Google Summer of Code, AIMAcodes – Remote

Student Developer

Jun 2019 – Aug 2019

- Built interactive AI demonstrations in React for the *Artificial Intelligence: A Modern Approach* textbook.
- Integrated browser webcam and image upload to assist in visualizing the Canny edge detection algorithm.

PROJECTS

Kuiperbowl

Django, WebSocket, PostgreSQL, Docker

Nov 2018 – Present

- Launched and continue to maintain a competitive, real-time trivia bowl platform using Django, WebSockets, and PostgreSQL.
- Platform has continued to serve 60+ monthly active users.

Highlight.js syntaxes

JavaScript

May 2023 – Present

- Released and continue to maintain community contributed code highlighter syntaxes for multiple languages including Apache VTL, Smithy, and Cedar.
- Ensured reliability by automating regression testing with snapshot tests as a GitHub Actions workflow.

Cloudscape File Uploader

React

Feb 2023 – Apr 2023

- Contributed a file uploader implementation for AWS's Cloudscape UI library. This filled a gap for the Cloudscape developer community before the official component was released.
- Ensured high quality bar for component, achieving 100% code coverage with a11y testing.
- Shepherded project through entire software lifecycle, from launch, to maintenance, to deprecation.

EDUCATION

University of Maryland, College Park – College Park, MD

May 2021

Bachelor of Science, Computer Science; Minor, Statistics; Cumulative GPA: 3.9/4.0

Summa Cum Laude

SKILLS

Languages: Python, Java, Go, TypeScript, JavaScript, SQL, Rust, C

Technologies: AWS, CDK, Terraform, Docker, Spring Boot, Node, React, Django, MongoDB, Tokio

Other: Software Design, Object-Oriented Programming, Relational Databases, Web Development, Generative AI, Distributed Systems, Agile, Scrum