

JESSE LANDIS

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WORK EXPERIENCE

Amazon

Arlington, VA

Software Development Engineer

August 2025-present

- Built and scaled an event-driven notification platform using AWS Lambda, SQS, and EventBridge to automate region build orchestration across AWS infrastructure, processing 500,000+ events daily.
- Designed and implemented a real-time approval notification that alerted AWS service teams of region build changes through email and ticketing integrations, reducing manual effort and deployment delays.
- Overhauled the frontend of the region build notification platform, redesigning the subscription experience to make customizing notification preferences simpler and more intuitive for 20,000 users

Capital One

Richmond, VA

Associate Software Engineer

January 2024-August 2025

- Architected and developed a backend microservice utilizing Python with FastAPI to service an application used by over 8,000 engineers to create test data through highly complex workflows
- Designed and implemented queue-based communication between two microservices, decoupling workloads to enhance scalability and performance
- Assisted in developing a new frontend in React with TypeScript to provide a better customer experience
- Created an automated testing suite to test the health of 25 internal CI/CD pipelines used by over 10,000 developers at Capital One

EDUCATION

Georgia Institute of Technology

Atlanta, GA

Master of Science in Computer Science

December 2025

Specialization: Machine Learning

Relevant Coursework: Machine Learning, Graduate Algorithms, Machine Learning for Trading, Data and Visual Analytics, Graduate Operating Systems, Modeling and Simulation

University of Florida

Gainesville, FL

Bachelor of Arts in Economics

May 2023

Minors: Computer Science, Philosophy

SKILLS

Software: Python (Scikit-learn, Pandas, NumPy, FastAPI, Behave), JavaScript (React, Angular, TypeScript), C++, Java (Spring Boot), SQL, MongoDB, HTML, CSS, Gherkin, Amazon Web Services

Certifications: AWS Solutions Architect, Microsoft Excel, Cybersecurity Secure Solution Architect

PROJECTS

Center for Sustainability Communities App

- Partnered with non-profit as a lead engineer to assist them in web development as part of master's program
- Developed a progressive web app for organization to allow users to find environmental information and incentives in their area, and to contact the organization for specific requests

Multithreaded client and server implementation

- Developed multithreaded server that was able to fetch, store, and return the status of files using Google's gRPC protocol for high performance in low latency environments

Chess AI

- Created a chess desktop game, with a custom computer AI, only utilizing C++ and the SFML library
- The AI can update its behavior based on the individual play of the user, playing up to a 1500 rated level

ORGANIZATIONS

CODERS

Richmond, VA

Volunteer Instructor

April 2024-August 2025

- Met with a group of middle school students to teach them the basics of coding once a week