

Salomon Aduen

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EXPERIENCE

Amazon

Software Development Engineer

New York, NY
July 2025 – Present

- Architected a Generative AI-powered transaction validation tool using Python and MCP integration, automating log analysis and reports to decrease manual checks by ~95% and cut validation time from hours to minutes with ~99% accuracy.
- Engineered automated dependency merges across 4+ CI/CD pipelines, cutting down merge failures by ~90%, saving 10+ engineer-weeks annually, and ensuring timely rollout of security-critical package updates.
- Achieved 100% test coverage for a Tier-1 payment service processing 500B+ transactions annually, reducing regressions by 30% and saving 200+ engineering hours per year.
- Delivered multi-region AWS Lambda deployments with CDK and CloudWatch monitoring, ensuring reliable releases across 5+ regions.
- Collaborated with service owners to enhance monitoring dashboards for backend services, boosting visibility by ~40% and reducing incident detection time by 30%.

Amazon

Software Development Engineer Intern

Santa Clara, CA
May 2024 – Aug 2024

- Led auth middleware research for Rails-Next.js migration, resulting in team adoption of OAuth for robust user authentication.
- Improved latency monitoring for Amazon Pay web services via AWS CloudWatch RUM metadata, reducing mean time to detection by ~30%.
- Corrected user-level errors from FATAL to WARN, diminishing on-call load by ~40% and avoiding redundant escalations.
- Migrated Amazon Pay checkout service from Ruby on Rails to Next.js to modernize the stack, integrating CSRF protection and secure redirection, improving development speed by ~60%.
- Developed an AWS CDK-based infrastructure-as-code stack for scalable secrets management in the Amazon Pay checkout experience.

Miami Springs Adult Education

Clerical Assistant

Miami, FL
June 2021 – May 2025

- Built an internal automation tool using Python with a lightweight frontend to streamline registration data processing, eliminating ~70% of manual workload.

TECHNICAL PROJECTS

AI-Powered Financial Guidance App | ShellHacks 2024 Hackathon

September 2024

- Integrated a fine-tuned OpenAI model to generate tailored financial recommendations, improving response accuracy and relevance by ~65% in user evaluations.
- Implemented JWT-based authentication and modular REST APIs for profile, recommendation, and user management, supporting scalable deployment.

Google Tech Exchange Software Development Studio Project

January 2023 – April 2023

- Led a team of 3 to build a greenfield Wiki website using Python/Flask and Google Cloud with authentication and content management features.
- Managed requirements, design, testing, and CI/CD, optimizing build and release pipelines to deliver high-quality code and accelerate deployment by 20%.
- Provisioned non-relational databases on Google Cloud to store and retrieve Wiki content efficiently under concurrent traffic.

SKILLS

Programming & AI Tools: Python, Java, C++, C, C#, TypeScript, Ruby, Flask, Next.js, React, Git, AWS, GCP, PyTorch, OpenAI API, Scikit-learn, Selenium

EDUCATION

Florida International University

Jan 2022 – May 2025

Bachelor's of Science in Computer Science; GPA: 3.96

- Relevant coursework: Operating Systems, Applied Data Structures, Software Development Studio (Google TechExchange), Database Management, Artificial Intelligence, Machine Learning