

Daron Adams

daron.cole@icloud.com | LinkedIn/DaronAdams | GitHub.com/DaronAdams

Skills

Languages: Java, TypeScript, Python, Ruby, Zig, C

Frameworks: React, Spring Boot, Flask, Django

Cloud: AWS (Lambda, ECS, S3, Step Functions, DynamoDB, SQS, SNS, CloudWatch), CDK

Tools: Git, PostgreSQL, Gradle, Docker, Linux

Experience

Software Development Engineer, Amazon – Seattle, WA

Feb 2024 – Present

- Architected a distributed rollback system using AWS Step Functions to safely reverse millions of offer assignments across Amazon Associates compensation plans, orchestrating 4+ downstream services to handle edge cases like partial failures and concurrent modifications.
- Reduced campaign launch time from weeks to 2 days by building a React/TypeScript compensation platform with automated workflows, enabling non-technical teams to self-serve creator campaign configuration.
- Extended influencer offers service to support bounty-based compensation, redesigning DynamoDB access patterns and building tier visualization components used by millions of creators on Associates Central.
- Debugged latency and throttling issues in a cross-team batch job processing 450k TPS, identifying cache bottlenecks and coordinating fixes across service boundaries.
- Cut financial review cycle time by 60% by designing a reusable ECS-based approval service handling link generation, status polling, and stakeholder notifications across all compensation plan workflows.

Software Development Engineer Intern, Amazon Web Services – Seattle, WA

May 2023 – Aug 2023

- Eliminated the need for customers to recreate multi-step schemas for minor edits by redesigning the data model from immutable to mutable and implementing a Java update API with schema integrity and field compatibility validation
- Reduced API read operations by 20% by identifying a performance bug in schema verification and consolidating multiple database calls into single optimized queries
- Built a multi-step React/TypeScript workflow for the AWS Entity Resolution Console, implementing Redux state management and validation to guide users through the new schema update process

Software Engineer Intern, Lowe's – Charlotte, NC

May 2022 – Aug 2022

- Built an internal React configuration management tool with LDAP-based role controls, enabling development teams to safely view and update production settings without direct database access

Projects

Abstract Syntax Tree Interpreter

GitHub

- Implemented a complete interpreter in Java with a recursive descent parser and tree-walking evaluator supporting functions, closures, and lexical scoping

Education

University of Memphis – B.S. in Computer Science

December 2023