

Conor Kennedy

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Skills

- **Programming:** C#, Java, Python, TypeScript, Go
 - **AWS:** Lambda, Step Functions, API Gateway, DynamoDB, S3, CloudFormation, SNS, SQS

Experience

Software Development Engineer, Amazon – Arlington, VA

September 2022 – Present

Fraud Enforcement

- Designed a reusable workflow to validate 1M exposed key pairs, identifying 600 valid pairs and reducing manual verification from years to hours, enabling on-demand triggering for future investigations.
 - Developed a Step Functions and Lambda-based solution, adopted by external billing teams, reducing invoicing time by 88% (33 days to 4 days) by automating 25 manual processes.
 - Built an AI-driven tool using a Claude wrapper with TypeScript scripts and AWS CLI, extracting Lambda, Step Functions, and DynamoDB data, supporting workflow documentation and on-call deep-dive failure analysis, enhancing team efficiency for a 10-person team.
 - Mentored a summer 2025 intern to deliver a workflow rollback/history feature, enabling version control and recovery, reducing rollback time from manual processes to a single button click and improving team efficiency.

Fraud Evaluations

- Developed a GraphQL resolver to enhance AWS sign-up data, handling 1,000+ requests/hour, while migrating a service managing 400,000 weekly calls to reduce technical debt.
 - Contributed to the migration of a critical AWS legacy service, developing a transition plan to reduce Sev2 incidents and ensure seamless downstream system integration.
 - Delivered a mission-critical cloud feature for the Department of Defense Joint Warfighting Cloud Capability (\$9B contract), enhancing national security ahead of schedule.

Software Developer, General Motors – Warren, MI

October 2020 – August 2022

MotorSports

- Enhanced a React-based race setup tool by adding tooltip mouseovers, allowing mechanics to instantly view previous race setup data without referencing old setups, streamlining workflows and enhancing decision-making efficiency.
 - Integrated automated browser tests into the CI/CD pipeline, proactively identifying issues and improving deployment reliability.

Awards

General Motors – Hackathon Winner

Geek Week 2021

- Won GM Geek Week 2021 Hackathon by building an Android app for electric car charging using React Native, Expo, Firebase, and Google APIs..

Education

Elmhurst College – Bachelor of Science, Computer Science

December 2019