

Conor Kennedy

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Skills

- **Programming:** C#, Java, Python, Typescript, Go
- **Cloud:** AWS (Lambda, Step Functions, API Gateway, DynamoDB, S3, CloudFormation, and more)
- **DevSecOps:** GitHub, Azure Devops, CI/CD

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 the fraud team to trigger it on-demand.
- Applied AWSCompromisedKeyQuarantineV2 to isolate exposed credentials for any customer account upon key exposure, enhancing security and automating MFA device removal to prevent lockouts.
- Mapped dependencies for a new AWS partition, detailing workflows to streamline expansion planning across teams.
- Built a proof of concept with Step Functions and Lambdas to demonstrate the service's ability to support non-fraud workflows, driving adoption for broader use cases.
- Reduced invoicing times by 88% (33 days to 23) by automating workflows, streamlining billing, and cutting 25 manual processes in collaboration with service and pricing teams.

Fraud Evaluations

- Developed a GraphQL resolver to enhance AWS sign-up data, handling 1,000+ requests/hour, and migrated a service to GraphQL, managing 400,000 weekly calls while reducing 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 DoD Joint Warfighting Cloud Capability (\$9B contract), enhancing national security ahead of schedule.

Software Developer, General Motors – Warren, MI

October 2020 – August 2022

MotorSports

- Developed a React-based race setup tool to compare fields with tooltip mouseovers, streamlining mechanics' workflows and improving decision-making efficiency.
- Optimized React components for cross-device responsiveness, ensuring seamless user experience across diverse screen sizes.
- 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