

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

- Enhanced compromise workflows to automatically remove Multi-Factor Authentication (MFA) devices added to customer accounts by fraudsters, ensuring customers are not locked out of their accounts while maintaining security
- Delivered a proof of concept built with Step Functions and Lambdas to extend the service to a non-fraud team, resulting in the adoption of the solution for non-fraud use cases.
- Led the architectural redesign to make a service more scalable and flexible, supporting multiple input types and **doubling** use cases without disrupting existing users.
- Reduced invoicing and billing processing times by automating workflows, cutting the time for issuing invoices by **88%**, and reducing the billing issuance process from **33** days to **23** days.
- Automated the handling of contractual credits and streamlined **25** manual workflows, improving efficiency and reducing manual workloads in collaboration with the service and pricing teams.
- Ensured accurate customer correspondence and code integrity by fixing a “null” string bug and removing an anti-pattern, preventing over **3,000** malformed emails from being sent to paying customers.

Fraud Evaluations

- Developed a GraphQL resolver to enhance user sign-up data captured in every AWS sign-up event, efficiently handling over **1,000** requests per hour.
- Migrated a critical service to GraphQL, managing over **400,000** weekly calls and reducing technical debt by eliminating reliance on deprecated dependencies.
- Contributed to the deprecation and migration of a critical AWS legacy service, integral to many downstream systems. Assisted with research and the development of a plan to transition legacy logic, ensuring a seamless migration and reducing Sev2 incidents that could impact customer experience.
- Developed and deployed a mission-critical feature for the United States Department of Defense Joint Warfighting Cloud Capability, delivering ahead of schedule as part of a **\$9 billion contract** aimed at enhancing national security.

Software Developer, General Motors – Warren, MI

October 2020 – August 2022

MotorSports

- Developed a feature to compare race setup fields, enabling mechanics to instantly view setup differences with a tooltip mouseover, streamlining race preparations and improving decision-making efficiency.
- Optimized React components for cross-device responsiveness, ensuring a consistent and seamless user experience across diverse screen sizes, enhancing accessibility and user satisfaction.
- Integrated automated browser test cases into the CI/CD pipeline, proactively identifying and addressing issues, improving software quality and minimizing defects before deployment.

Education

Elmhurst College – Bachelor of Science, Computer Science

December 2019