RUSSELL ISLAM

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SUMMARY

- **Experience**: API Development, Cloud Infrastructure, Schema Management, System Design
- **Languages**: Python, Java, Ruby, C, C++, JavaScript, Bash, SQL
- **Technologies**: Rails, Spring Boot, Express, Django, Flask, React, GraphQL, AWS, GCP, Docker, Jenkins, Terraform, Kafka, MySQL, PostgreSQL, MongoDB, Maven, Git, Vim, Linux

EXPERIENCE

Associate Software Engineer — Jan 2024 – Pres.
Capital One

- Engineered scalable GraphQL APIs and seamlessly integrated into front-end to offer credit card payment plans to mobile customers, resulting in an elevated customer experience and an 11x engagement increase
- Developed Spring Boot microservices with Kafka for fault tolerant high throughput message processing
- Continuously optimized AWS ECS infrastructure while simultaneously developing new features and enhancements to improve platform performance and capabilities while reducing cost and complexity
- Orchestrated Jenkins deployments for core AWS infrastructure using IaC to minimize deployment errors
- Led effective cross-team collaborations between product and engineering to drive alignment on project requirements to optimize user experience and feature roll-out safety while balancing technical effort

Backend Software Developer — May 2022 – May 2023
Shopify

- Redesigned the Shopify Subscriptions API to provide granular control over subscriptions, increasing merchant revenue by supporting quick product upsells and modifications, used by 30,000+ merchants
- Eliminated tedious work-arounds previously required to introduce temporary subscription order changes, improving API usability, reducing points of failure and increasing data metric accuracy
- Built GraphQL endpoints and Rails services to enable CRUD functionality for subscription billing periods, streamlining API adoption and simplifying merchant flows with user-friendly interfaces
- Spearheaded several initiatives to enforce strict data standards, allowing for improved metric collection, more accurate merchant revenue prediction and informed business decisions
- Improved checkout summary page for refunded pre-orders by determining accurate charges in real-time

Backend Software Developer Intern — Sept 2021 – Dec 2021
Shopify

- Developed Shopify's native pre-order functionality for merchants, eliminating reliance on third party apps
- Implemented a GraphQL API to integrate new pre-order functionality with Shopify's payment platform
- Encapsulated features behind beta flags for merchants, allowing for seamless rollout and rollback support

Backend Software Developer Intern — Sept 2020 – Dec 2020
Autodesk

- Built features for the database system used within Autodesk's cloud based development platform, such as a high performant dynamic SQL query generator and automated API documentation workflows

EDUCATION

University of Waterloo — Sept 2017 – Apr 2022
Honours Bachelor of Applied Science in Computer Engineering

- **Awards:** Graduation with Distinction and Dean's Honours List, 2x Term Dean's Honours List
- **Relevant Coursework:** Distributed Computing, Systems Programming and Concurrency, Computer Networks, Database Systems, RTOS, Data Structures and Algorithms, Programming for Performance