

# Abdullah Eshaq

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## EXPERIENCE

### Software Development Engineer

June 2024 – Present

Amazon

Vancouver, BC

- **Co-led the payment methods implementation of BACS (Bankers Automated Clearing System)** in AWS, implementing authorization flows, mandate setup, idempotent state machines, and fault-tolerant retries to expand AWS into the UK bank-debit market and lower payment processing costs.
- **Coordinated integration across 6+ AWS systems** (Processing, Collections, Fraud/Risk, Policy, Console), running design reviews and ensuring compliance requirements were met to deliver a **secure and scalable** BACS launch expected to support **hundreds of thousands of annual transactions**.
- Architected a region-agnostic infrastructure deployment system for the AWS European Sovereign Cloud, **reducing deployment time to any new region from 6 weeks to under a day**.
- Engineered a pre-charge MFA validation system to reduce fraudulent charge-backs, **leading to a \$200K/month reduction in losses**.
- Improved reliability and consistency across 50+ CI/CD pipelines by adding retries, strengthening dependency handling, and introducing test suites, **reducing deployment cycles from 50+ days to under 5 days**.
- Mentored an intern through architectural reviews and technical coaching, resulting in **a successful onboarding, meaningful production-level contributions, and a return offer**.

### Software Development Engineer Intern

May 2023 – August 2023

Amazon

Vancouver, BC

- Built and deployed a scalable notification service supporting internal customer workflows, **reaching over 500K users** and increasing feature adoption.
- Developed a serverless architecture using AWS Batch, DynamoDB, and S3, **resulting in a 30% reduction in message processing time**.

### Data Engineer Intern

Jan. 2023 – April 2023

Olympic Industries

Vancouver, BC

- Implemented anomaly detection in trading data, **leading to a 15% reduction in trading errors**.
- Automated daily reports on commodity markets, **delivering actionable insights that enhanced strategic decision-making**.

### Development Support

May 2022 – August 2022

Keywords Studios (Electronic Arts)

Vancouver, BC

- Tested gameplay features on FIFA 23, identifying and reporting bugs through detailed QA documentation, which **improved release stability and overall user experience**.
- Maintained the QA pipeline for FIFA 23, managing bug lifecycles from discovery to regression verification, which **streamlined testing cycles and ensured consistent feature quality**.

## EDUCATION

### University of British Columbia

Vancouver, BC

Bachelor of Science in Computer Science

April 2024

**Relevant Courses:** Intermediate Algorithms and Data Structures, Computer Systems, Relational Databases, Operating Systems, Software Engineering, Machine Learning and Data Mining, Computer Vision, Computer Networking

## TECHNICAL SKILLS

**Languages:** Java, Python, TypeScript, Ruby

**Cloud & Infra:** AWS (CDK, EC2, EventBridge, DynamoDB, Lambda, Batch, IAM, S3, CloudFormation, CloudWatch), Kubernetes, Docker, MS-SQL

**Frameworks & Libs:** Spring Boot, React, Node.js, Flask, JUnit, Material-UI