

# Abdullah Eshaq

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## EXPERIENCE

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### Software Development Engineer

June 2024 – Present

Amazon

Vancouver, BC

- **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 and implemented a region-agnostic infrastructure deployment system as part of the AWS European Sovereign Cloud project, **reducing the time to deploy our service to any new region from 6 weeks to under a day**.
- Engineered and integrated a pre-charge Multi-Factor Authentication validation system to reduce fraudulent charge-backs **leading to a \$200K/month reduction in losses**.
- Streamlined over 50 CI/CD pipelines into a unified continuous delivery system, **cutting deployment cycles from 60+ 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

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### 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

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**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