

OMANSH ARORA

<https://omansharora.netlify.app/>

📞 778-994-4215 ✉ omanshsfu@gmail.com [in linkedin.com/in/omansh-arora-6a01951b4/](https://www.linkedin.com/in/omansh-arora-6a01951b4/) github.com/omansh-arora

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, SQL, Golang, Ruby, Bash

Technologies/Frameworks: Terraform, AWS, React.JS, Node.JS, Spring, Docker, Datadog

Project Management: Git, Jira, Confluence

Experience

Amazon

May 2025 – Aug 2025 (4 Months)

Software Development Engineer Intern

- Designed and implemented a fraud mitigation and user verification system for the Payments team using **Java** and **Spring**, reducing fraudulent account risk by an estimated **85%**.
- Authored a detailed design document and drove the project end-to-end, covering architecture, implementation, and testing, delivering the system 2 weeks ahead of schedule.
- Built over **50+ unit tests** with **JUnit** and **integration tests** using **Cypress**, achieving 92% test coverage and ensuring system stability.
- Contributed to a team-wide effort to improve fraud detection SLAs, with my system projected to scale to **20K+ transactions/month**.

Safe Software

Jan 2025 - Apr 2025 (4 Months)

Software Developer Co-op

- Developed and maintained **Python**-based plugins and transformers for the **Feature Manipulation Engine (FME)**, enhancing data integration capabilities.
- Managed and upgraded the bundled **Python interpreter** and third-party libraries to ensure seamless compatibility across the FME ecosystem.
- Maintained and improved the **fpkgs SDK** infrastructure, ensuring reliability and scalability for end-users.
- Streamlined **CI/CD** pipelines for Python plugins using **Jenkins**, contributing to automation and efficient integration workflows.

Samsung Research

Sep 2023 - May 2024 (8 Months)

Cloud DevOps Engineer Co-op

- Enhanced security measures by creating an AWS Security Log analyzer with **Python**, resulting in a 20% tightening of security group rules.
- Built **CI/CD** pipelines using **GitHub Actions**, facilitating the migration from Jenkins and optimizing processes.
- Created AWS Synthetic monitoring with **Python** and **AWS Lambda**, to monitor the availability of Samsung Knox's website, ensuring 100% availability.
- Provisioned 50+ cloud resources with **Terraform**, integrating Datadog monitors for health checking.
- Built a robust Terraform security policy infrastructure using **OPA** and **Rego**, enhancing security measures by 40%.
- Created and deployed **KafkaUI Kubernetes** resources using Helm charts and **ArgoCD** to enable effective monitoring of Kafka instances.

Electronic Arts

Sep 2022 - Dec 2022 (4 Months)

Associate Software Engineer(DevOps) Co-op

- Built an automated test suite with 80+ unit tests using **Python** to test a proprietary web application, effectively replacing the team's old test suite completely.
- Developed a **Python** wrapper library to interact with the application API, ensuring all developers could utilize it for their teams.
- Constructed and deployed **Docker** containers to establish a secure testing environment integrated into the **CI/CD** pipeline for the application, streamlining testing procedures by 25%.

Projects - View all of my projects on GitHub

Bloglife: Full-stack Blog App | *React, Node.js, AWS RDS MySQL, AWS S3, EC2*

Java Package Tracker | *Java, Spring Boot, MySQL, Swing*

Education

Simon Fraser University, *Bachelor of Science in Computer Science*

2020 - 2025