FAROUK OLADEGA

Software & Cloud Engineer

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PROFILE

Software and Cloud Engineer with hands-on experience designing, developing, deploying, and supporting full-stack and cloud-native systems. Strong background across application development, cloud infrastructure, containerization, and CI/CD pipelines using AWS and modern DevOps practices. Proven ability to collaborate in Agile environments, troubleshoot production issues, and deliver scalable, secure, and reliable systems.

PROFESSIONAL EXPERIENCE

Peer Tutor (Software Engineering), *Centennial College*   05/2024 – Present
                                                                                   Toronto, ON
- Mentored students in software development fundamentals, backend programming, and cloud concepts.
- Explained complex programming and system design topics using clear, practical examples.
- Supported academic improvement through one-on-one and group tutoring sessions.

Software Developer Intern, *Ontario Public Service (OPS)*   09/2024 – 08/2025
                                                                                    Toronto, ON
- Developed and maintained production applications using Java, Spring Boot, C#, and ASP.NET Core.
- Designed, implemented, and tested RESTful APIs supporting internal enterprise systems.
- Wrote and executed over 100 automated JUnit tests, achieving approximately 95% code coverage.
- Performed manual QA, regression testing, and defect tracking across multiple releases.
- Identified and resolved over 50 defects, reducing post-release issues by 25%.

EDUCATION

Software Engineering Technology (Co-op) - Advanced Diploma, *Centennial College*   Toronto, ON
GPA: 4.3/4.5

TECHNICAL SKILLS

Cloud & DevOps
AWS (EC2, ECS/Fargate, ECR, RDS, DynamoDB, Lambda, IAM, CloudWatch), Docker, CI/CD pipelines

Languages & Frameworks
Java, C#, JavaScript, SQL, Spring Boot, ASP.NET Core, React, Next.js

Databases
MySQL, SQL Server, MongoDB, DynamoDB

Tools & Practices
Git, GitHub, Maven, JUnit, Postman, Linux, Agile/Scrum

PROJECTS

OutbreakWatchTO - Cloud-Native Monitoring Platform
- Built a cloud-based monitoring system using ASP.NET Core and Next.js.
- Containerized services using Docker and deployed to AWS using ECR and ECS/Fargate.
- Configured AWS RDS for relational data storage and integrated Google Apigee for API management.
- Applied cloud-native architecture principles including scalability, security, and fault tolerance.

Online Flight Reservation System
- Developed a full-stack reservation platform using Java, Spring Boot, Thymeleaf, and MySQL.
- Implemented user authentication, role-based access, and CRUD operations.
- Used Spring Data JPA and Hibernate for database persistence and ORM mapping.

Hockey Management Application (Microservices)
- Designed a microservices-based system using Spring Boot and MongoDB.
- Built RESTful services for managing teams and players.
- Integrated a React frontend for data visualization and user interaction.

CERTIFICATIONS

- AWS Certified Cloud Practitioner
  (In Progress / Expected)