

FATIMA YUSUF

SOFTWARE ENGINEER | FLUTTER, CLOUD & MACHINE LEARNING

Entry-level software engineer with hands-on experience in mobile, backend, web, cloud, and applied machine learning projects.



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TECHNICAL SKILLS

Languages: Dart, Java, Python, JavaScript, SQL, C++, HTML/CSS, PHP

Frameworks & Tools: Flutter, Spring Boot, REST APIs, Firebase, JUnit, Maven, Git, GitHub

Data & Cloud: MySQL, database design, schema modeling, AWS cloud fundamentals, Azure fundamentals

Machine Learning: Python, NumPy, pandas, model building basics, deep learning fundamentals

Open Source: branching, pull requests, issue tracking, README writing, clean repository organization

CERTIFICATIONS

- AWS Certified Cloud Practitioner - Amazon | Feb 2025 - Feb 2028
- Learn & Build Machine Learning Models with Python - EDUCBA / Coursera | Mar 2026
- Parallel Computing with MPI - University of Colorado Boulder / Coursera | Nov 2025
- Fundamentals of Deep Learning - NVIDIA | Feb 2025
- Essentials of Career Development - ThinkSmart Gulf | Feb 2025
- Sage Premier Webinar - Sage | Sep 2025

EDUCATION

Bachelor of Software Engineering

University of Bahrain
2022 - Present

STRENGTHS

- Software architecture, technical documentation, and system design thinking
- Testing, debugging, structured problem solving, and continuous learning
- Team collaboration, presentation skills, and professional communication

PROFESSIONAL PROFILE

Software engineer with practical experience building university and academic systems using Dart/Flutter, Spring Boot, SQL, and web technologies. Combines mobile and backend development skills with strong database work, cloud fundamentals, and growing capability in machine learning using Python. Known for organized delivery, clear documentation, and structured teamwork that supports real project progress.

SELECTED PROJECT EXPERIENCE

UOB SmartLine - Queue & Ticket Management System

Flutter, Spring Boot, MySQL, Firebase, REST APIs

- Building a university queue platform with ticket booking, ETA tracking, FAQ support, and real-time notification flow.
- Worked on API structure, authentication flow, database integration, and ticket lifecycle logic in a collaborative team environment.
- Contributed to risk planning, incremental delivery, and technical documentation for a real-world senior project.

Campus Hub - Events & Study Group Platform

HTML, CSS, JavaScript, PHP, MySQL

- Built interactive university modules with event handling, comments, CRUD operations, and database-backed content management.
- Improved code structure by refactoring front-end files and integrating backend APIs for better maintainability and user experience.
- Supported schema design and migration from local storage to database-backed workflow for more scalable data handling.

Hotel Management System

Java, SQL, Software Architecture, AWS Concepts

- Designed and developed a three-tier system focused on availability, scalability, performance, and reliability requirements.
- Prepared architecture, deployment planning, database design, implementation, and testing deliverables for a structured engineering project.

Additional Academic Systems

Java, SQL, Documentation, System Design

- Contributed to library management and charity management systems covering design documentation, schema creation, SQL work, and implementation tasks.
- Supported structured academic development work through Java-based implementation and database-focused deliverables.

PROFESSIONAL HIGHLIGHTS

- Comfortable with GitHub workflows, branching, pull requests, and professional repository organization.
- Interested in internship roles across software engineering, mobile development, backend development, cloud, and applied machine learning.
- Brings a mix of technical capability, clear communication, and presentation-ready documentation for team-based project delivery.