MOHAMED FOWSAN

SOFTWARE ENGINEER | FULL-STACK & BACKEND DEVELOPMENT

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PROFESSIONAL SUMMARY

Software Engineer and Full-Stack Developer with 5+ years of experience building and supporting scalable web applications, backend services, and distributed systems. Experienced in backend architecture, microservices, RESTful API development, third-party API integration, real-time workflows, and database optimization. Hands-on across Python, Node.js, PHP/Laravel, C#/.NET, React.js, and SQL/NoSQL platforms. Delivered solutions for e-commerce, ride-hailing, event ticketing, education, and enterprise operations, with a focus on secure integrations, maintainable architecture, and production reliability.

CORE COMPETENCIES

Backend Architecture | Full-Stack Development | REST API Design & Integration | Microservices | Third-Party Systems | Real-Time Applications | Database Design & Optimization | Cloud Storage | CI/CD & Production Support

TECHNICAL SKILLS

Languages & Frameworks: Python (FastAPI, Flask), JavaScript, TypeScript, Node.js (Express), PHP (Laravel, Symfony, CodeIgniter), C# (.NET, ASP.NET Core, Windows Forms)

Frontend: React.js, Angular, HTML5, CSS3, Bootstrap, Tailwind CSS, jQuery, responsive and mobile-first web design

Databases & Search: PostgreSQL, MySQL, SQLite, MongoDB, Firebase, BigQuery, Redis, Elasticsearch, Typesense, Azure Cognitive Search

APIs & Integrations: RESTful APIs, GraphQL, SOAP, Swagger/OpenAPI, Postman, webhooks, OAuth 2.0, JWT, POS and payment integrations, Tanwin integration, SFTP, SAP integration

Cloud, DevOps & Architecture: AWS, AWS S3, Azure, Docker, CI/CD, Git (GitHub/GitLab/Bitbucket), microservices, event-driven systems, background jobs, queue-based processing, WebSockets

PROFESSIONAL EXPERIENCE

Software Engineer | Rafeeq | Doha, Qatar • Aug 2025 - Present

- Architected and launched GoRafeeq.com, a multi-region e-commerce marketplace, and developed backend capabilities supporting its platform operations.
- Built backend services for admin dashboards, vendor platforms, driver management, event ticketing, and taxi-booking workflows.
- Designed and maintained microservice-based architecture to improve modularity, scalability, and service decoupling.
- Integrated Tanwin with Rafeeq backend services to support connectivity between the external platform and internal workflows.
- Developed APIs and integrated third-party POS systems to support order processing, payments, and operational workflows.
- Implemented queue-based background processing for notifications, asynchronous tasks, and resource-intensive workloads.
- Integrated AWS S3 for media and file storage, and SFTP for secure data exchange with external systems.
- Developed data-synchronization processes across distributed services and optimized MySQL, PostgreSQL, MongoDB, and BigQuery workloads.

Full Stack Developer | Baladi Express | Doha, Qatar • Aug 2022 - Jul 2025

- Led backend architecture and full-stack development for digital platforms using Python, Laravel, Node.js (Express), React, and PostgreSQL.
- Architected and launched BaladiExpress.com, a multi-region e-commerce marketplace focused on availability, scalability, and performance.
- Owned end-to-end delivery for BaladiExpress.com and the Sahl application, spanning feature development, integrations, deployment, and production support.
- Built a Windows-based Baladi Price Checker application to help merchandisers monitor and update product pricing.
- Integrated third-party APIs and external services to extend platform capabilities and automate business workflows.
- Designed RESTful APIs and PostgreSQL schemas for the ses.edu.sd e-learning platform, including cloud-based media delivery integration, and collaborated with cross-functional teams on education solutions in Sudan.

Software Developer | Algorvation | Kalmunai, Sri Lanka • Jun 2021 - Feb 2022

- Launched a public past-exam-papers platform to make study resources accessible to students.
- Developed a WordPress website for a client, improving the organization's online presence.
- Engineered a C# Pharmacy Management System to support inventory tracking and pharmacy workflows.

FREELANCE & INDEPENDENT DEVELOPMENT

Freelance Full Stack Developer | Self-Employed | Remote • **Oct 2020 - Present**

- Developed and deployed Abby Jewellery, an e-commerce platform with dynamic product listings and responsive shopping experiences (abbyjewellery.com.au).
- Built KKC E-Sports, a full-stack platform for gaming-community interaction and engagement (kkcesports.com).
- Developed a POS system for a shopping centre, supporting transaction processing and inventory management.
- Created a student term-exam results publication system for managing and publishing academic results.
- Contributed to MeatHub, an e-commerce platform focused on product management and order workflows.

SELECTED PROJECTS

Majlis.com : Developed backend services for Majlis.com, an Arabic social media and community platform similar to Reddit, using a microservices-based architecture to build scalable, modular, and maintainable applications.

Rafeeq GO - Ride-Hailing Platform: Backend development for driver-rider matching, trip lifecycle management, real-time status updates, and API services.

Rafeeq E-Commerce Platform: Backend services for product and order management, admin and vendor portals, role-based access, and service integrations.

BaladiExpress: Full-stack development of a multi-region e-commerce marketplace with product catalog and cross-platform workflows.

Sahl Application: Backend development and system integration for a service platform, with attention to API performance and reliability.

Majlis.com: Backend-focused work on an Arabic community platform with user-generated posts, comments, discussions, and engagement features.

Tammdone: Frontend development for a global platform, focused on user experience and performance (tammdone.com).

EDUCATION

Higher National Diploma (BTEC HND) in Computing - Software Engineering | Pearson College London | Sep 2018 - Oct 2020

Diploma in Information Technology | British College of Applied Studies (BCAS), Sri Lanka | Apr 2018 - Sep 2020

CERTIFICATIONS

Web Designer - University of Moratuwa, Sri Lanka | Front-End Web Developer - University of Moratuwa, Sri Lanka | Python Developer - University of Moratuwa, Sri Lanka | Certificate in English - BCAS Campus, Sri Lanka

LANGUAGES

English | Tamil