

MOHAMMED ALMASSRI

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FULL-STACK ENGINEER

AWS certified Full Stack Developer with 3 years of experience in designing and developing scalable web applications within the telecom and education sectors. Led the successful redevelopment of a telecom customer portal using Laravel and Vue, resulting in improved system latency and enhanced user experience through architectural optimization. Contributed to the development and deployment of an educational platform with over 3 million users, implementing key features such as paid exams and performance enhancements using serverless technologies and caching strategies. Proficient across the SDLC, particularly in design, architecture, coding, testing, and deployment, with familiarity in requirement gathering and analysis. Experienced in Agile workflows with biweekly sprints and remote collaboration. Technical skill set includes Laravel, Vue, React, MySQL, PostgreSQL and AWS services such as Lambda and RDS.

- Performance Optimization • Scalability and Availability • API Design • System Architecture • Agile Development
- CI/CD • Serverless Architecture • Cloud-Native Development • Cross-Functional Team Collaboration

Languages: PHP, JavaScript

Web: Html, CSS, Sass

Web Services: REST

Web/App Servers: Apache, NginX

Frameworks: Laravel

Databases: MySQL, Postgres, AWS

Design Patterns: Singleton, Strategy, Factory, Builder, MVC, Repository, Observer, DI

SDLC: Agile

Tools: VS Code, IntelliJ, NPM, composer

Platforms: Windows, Linux

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

JAWWAL, Gaza, Palestine • 06/2022 – 07/2024

Largest Telecom company in Palestine.

Senior Software Engineer

- Redesigned and rebuilt the company's main customer-facing website using Laravel and Vue.js, reducing page load time by more than 100% (sub 100ms) and boosting customer engagement.
- Built a feedback management system with an interactive analytics dashboard allowing admins to generate surveys with real-time visual reports, saving company \$20,000 in licensing fees.
- Architected server infrastructure using the company's on-premise data center, optimizing resource allocation and reducing operational costs.
- Developed a website builder module within the CMS using Vue.js, enabling the Admin team to visually design and deploy dynamic pages, reducing content deployment time.
- Enhanced backend response times by implementing Redis caching for frequently accessed data, reducing average query latency.
- Empowered CMS admins to self-manage analytics integrations (GTM, Facebook Pixel) via a dynamic script injection module, eliminating dev bottlenecks.

Technologies Used: *Laravel, Vue, MySQL, Redis, Red Hat, Nginx.*

ALAZHAR UNIVERSITY, Gaza, Palestine • 11/2021 – 06/2022

A higher education university.

Software Engineer

Mobile Development

- Built a cross-platform Flutter app for student services (lectures, exams, documents), improving accessibility for 20K+ students and reducing administrative workload.

- Integrated the Flutter frontend with the university's backend via secure RESTful APIs, enabling real-time synchronization of academic data across mobile and web platforms.
- Streamlined previously paper-heavy processes such as excuse forms and grade requests through app-based submissions, reducing administrative workload and improving response times for students.
- Designed an intuitive user interface adhering to Material Design principles, resulting in an increase in user satisfaction and favorable feedback from both students and staff.
- Successfully launched the application on Google Play and Apple App Store, expanding the reach of university services and increasing mobile app adoption to 90% of enrolled students.

Technologies Used: *Flutter, Material Design, State Management, Oracle, PL/SQL, JWT, Dart, Git.*

FREELANCE EXPERIENCE

Sahl Educational Platform, Riyadh, Saudi Arabia • 09/2021 – 05/2023

Educational Platform providing study material and practice examinations for millions of students in 5 countries, mainly Saudi Arabia.

Sr. Software Engineer

Developed a new service on the website and applied some administration tasks.

- Engineered a scalable backend for Sahl Educational Platform using Laravel and MySQL to support over 3 million registered users, achieving 99.9% uptime and sub-150ms response times.
- Implemented a serverless architecture on AWS using Lambda, API Gateway, RDS, and ElastiCache, reducing backend latency and greatly improving uptime.
- Developed a paid examination module with real-time payment processing and instant result generation, increasing revenue and enhancing user experience.
- Enabled real-time notifications via Laravel Events and Firebase, boosting user engagement through timely updates and alerts.
- Built a REST API for seamless integration with iOS and Android apps, facilitating data synchronization across multiple platforms.
- Deployed distributed job processing using AWS SQS and Lambda for asynchronous task handling, maintaining real-time processing without impacting user-facing services

Technologies Used: *Laravel, Vue, Sass, AWS, MySQL, Apache, Serverless.*

ACADEMIC PROJECTS

Maharishi International University (2025)

ListEasy: Full-stack real estate web app for Admin, Property Owner, and Customer roles. Built with React (frontend) and Spring Boot (backend) to enable secure property management and booking. Features included property browsing, filtering, booking requests (for customers), and listing/availability management with approval workflows (for owners). Integrated role-based authentication, RESTful APIs, and PostgreSQL for persistent storage. Utilized Java, Spring Boot, React, PostgreSQL, Docker, and Redis.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 06/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: *Algorithms, Cloud Computing, Web Application Architecture, Enterprise Architecture*

Bachelor of Science in Computer Science

Alazhar University, Gaza, Palestine (06/2020)

CERTIFICATIONS

[AWS Certified Solutions Architect - Associate](#) (04/2025)