

Hasan Mawassi

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SUMMARY

Software Engineer skilled in React, Laravel, and Node.js, passionate about building efficient and scalable web applications. Experienced in REST API development, Docker-based deployment, and using CI/CD pipelines. Strong communicator and team collaborator with a passion for AI, automation, and solving real-world problems using clean, maintainable code.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, PHP
Backend: Node.js/Express.js, Laravel, REST APIs, JWT
Databases: PostgreSQL, MySQL, Prisma ORM
Tools: Redux, Axios, Passport.js, Git, GitHub, Postman, Jest

Frontend: React.js, EJS, Bootstrap, Flutter, Electron.js
AI/ML: OpenAI API, LangChain
DevOps: Docker, AWS (EC2), GitHub Actions CI/CD
Languages: Arabic (Native), English

EXPERIENCE

Municipality E-Governance System (Freelance Project)

Express.js, React.js, Prisma ORM, PostgreSQL, JWT, pdf-lib

- Designed and developed a municipality management platform serving 12K+ citizens, streamlining government transactions and reducing processing time by 90%.
- Built a secure role-based access system, enabling admins to assign granular permissions at both page and input-field levels (view, edit, hide).
- Implemented citizen and employee management modules, including CRUD operations, multi-address support, and spouse data handling.
- Integrated transaction workflows with a tracker to monitor each request from initiation to government submission, completion, and citizen delivery.
- Automated the generation of pre-filled PDF forms using citizen data, with options for printing and digital delivery.
- Automated PDF form generation and delivery, cutting manual paperwork by 80%
- Developed mokhtar management, governorate/town configuration, and transaction fee management modules.
- Secured authentication using JWT access & refresh tokens with token rotation for enhanced security.

PROJECTS

Smart Clinic (GitHub)

React.js, Flutter, Express.js, PostgreSQL, OpenAI API, LangChain, AWS, Docker

- Patients app built with Flutter, enabling appointment booking via voice/text with a chatbot using LangChain (Reduced booking errors by 30%).
- React.js web portal for doctors with AI-assisted diagnosis generation and report automation (Reduced manual reporting time by 40%).
- Backend built with Express.js and PostgreSQL, using RESTful APIs to connect mobile and web platforms.
- Implemented CI/CD pipeline using GitHub Actions and Docker, with separate staging and production environments on AWS.

TasawaQ

Express.js, EJS, PostgreSQL, Bootstrap, Machine Learning Models

- Multi-role web application for workers, admins, managers, and customers with dashboards, scheduling, and sales tracking.
- Built dynamic, responsive web platforms using EJS, HTML, CSS, and Bootstrap.
- Developed backend using Node.js/Express.js with PostgreSQL database.
- Integrated ML model for price/sales forecasting, improving demand estimation accuracy.

HR System

Laravel, React.js, MySQL

- Group project to build an HR management platform supporting employee profiles and performance tracking.
- Acted as Communication Lead by managing collaboration via Slack and organizing daily stand-ups.
- Developed employee profile and performance evaluation system with Laravel and MySQL.
- Contributed to a responsive React.js frontend for seamless UX across HR modules.

EDUCATION

Lebanese International University (LIU)
2021 – 2025

Bachelor in Computer Science — GPA: 3.93/4

CERTIFICATIONS

Full Stack Software Engineer, SE Factory
The Complete 2024 Web Development Bootcamp, Udemy
IT Essentials: PC Hardware and Software, Cisco Networking Academy (Mar 2024)
CCNAv7: Introduction to Networks, Cisco (Mar 2024)
CCNAv7: Switching, Routing, and Wireless Essentials, Cisco (Aug 2024)