

Mohammad Abbas

Full Stack Developer

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☎ 71255014

📍 Beirut, Lebanon

🔗 Portfolio

🌐 LinkedIn

🐙 Github

SUMMARY

Full Stack Developer with 1+ years of experience shipping production features in React, Next.js, Node.js and Go. Deployed full-stack apps on GCP with Docker and CI/CD, comfortable working across the stack and picking up new tools fast

EXPERIENCE

Full Stack Developer (Contract)

12/2025 – 07/2026 | Remote

Big Data Specialist

- Built a full-stack content platform (Next.js, Go, MySQL) aggregating courses, jobs, tech news, blogs, books, and GitHub repos from multiple sources
- Cut infrastructure costs ~66% by migrating the database to a more cost-efficient provider
- Automated daily data pipelines to keep content continuously updated with zero manual work
- Wrote automated tests with Vitest and Playwright to ensure reliability across core user flows
- Deployed and maintained the application on GCP using Docker and CI/CD pipelines

Full Stack Developer (Contract)

03/2025 – 11/2025 | Remote

Vertex Partners

- Built and maintained full-stack features for a high-traffic student housing platform using Next.js, Express.js, and PostgreSQL
- Developed interactive map-based UI features using Framer Motion for property browsing
- Implemented REST APIs and role-based access control for administrators, landlords, and students
- Improved app performance via rendering optimizations and code-splitting, achieving Lighthouse scores above 90

Full Stack Developer Intern

12/2024 – 03/2025 | Beirut, Hybrid

3E Tech

- Beirut, Hybrid - Developed full-stack features for LMS and property management platforms (React, TypeScript, NestJS, PostgreSQL, Prisma)
- Built modular frontend architecture with Redux Toolkit to manage complex state across large UI workflows
- Optimized backend services and PostgreSQL queries using Prisma ORM, reducing API response time by ~25%

SKILLS

Programming Languages

JavaScript, TypeScript, Go, Python, SQL, Java

Frontend

React, Next.js, Tailwind

Backend

Node.js (NestJS, Express), Gin, Flask, Spring Boot

Databases

PostgreSQL, MySQL, Firebase

DevOps

Docker, GCP, GitHub Actions, CI/CD

Automated Testing

Vitest, Playwright

EDUCATION

Bachelor in Management Information Systems
Lebanese University

2021 – 2025 | Lebanon

PROJECTS

MoDB

- Built a SQL-compatible relational database management system in Go with persistent disk storage, supporting multi-database and multi-table operations via a custom TCP-based query interface
- Designed and implemented core database internals including a SQL lexer, recursive descent parser, AST-based query planner, and execution engine for SELECT, INSERT, UPDATE, and DELETE operations
- Developed a custom storage engine using 4KB slotted-page architecture with binary persistence and schema storage, enabling durable data storage across restarts
- Implemented full relational constraints including PRIMARY KEY, FOREIGN KEY, UNIQUE, NOT NULL, and referential integrity with cascade protection
- Engineered a modular database pipeline (transport layer, SQL layer, execution layer, storage engine) closely modeled after production RDBMS architecture

Custom Programming Language

- Designed and implemented a custom programming language using symbol-based syntax instead of traditional keywords, exploring alternative language design paradigms
- Built a full parsing system using Nearley, including lexical analysis and syntax parsing for expressions, control flow, functions, and data structures
- Developed a transpiler that converts Mo code into executable JavaScript, enabling integration with the JavaScript runtime ecosystem
- Implemented core language features including variables, functions, loops, conditionals, and arrays
- Engineered a custom language grammar supporting symbolic constructs for assignments, function definitions, and control flow expressions

Job Match Agent

- Developed a data aggregation system scraping 10+ job platforms in parallel.
- Implemented semantic matching using embeddings + cosine similarity for intelligent job recommendations.
- Designed deduplication and historical tracking systems for data consistency.
- Built backend services in Python with scalable processing pipelines.

Rapid Express

- Engineered a globally-installed CLI tool to automate Express.js app scaffolding, enabling rapid generation of production-ready APIs with a single command.
- Designed a scalable folder architecture with built-in decorators and error-handling middleware, reducing initial developer setup time by 70%.
- Published on npm, achieving 1,200+ downloads and creating a valuable tool for the developer community.