Hadi Hijazi

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Summary

Full-stack software engineer with expertise in building scalable cloud-native applications and modern web solutions. Experienced in architecting systems using React, NestJS, with proven ability to deliver production-ready applications leveraging AWS services. Strong foundation in data structures, algorithms, and software design patterns, combined with practical experience in microservices architecture and RESTful API development. Passionate about solving complex technical challenges and mentoring fellow developers.

Education

Lebanese University - Faculty of Science - I, Master's in Computer Science — Oct 2025 – Present

Lebanese University - Faculty of Science - I, Bachelor Degree in Computer Science — Oct 2021 – June 2025

Experience

Full Stack Developer Intern, ZeroAndOne — July 2025 – Sept 2025

Cloud-native software & AWS consulting company.

- Completed intensive 9-week full-stack development and cloud computing internship, gaining hands-on experience with enterprise-grade development workflows and architectural patterns
- Successfully completed AWS Partner training encompassing cloud architecture design, network infrastructure, security best practices, and cloud cost optimization strategies
- Engineered serverless applications utilizing AWS Lambda for compute, S3 for object storage, DynamoDB for NoSQL persistence, and Cognito for identity management
- Actively contributed to production codebases, implementing CI/CD pipelines and infrastructure-as-code solutions aligned with modern DevOps methodologies

Computer Lab Assistant, Lebanese University — Feb 2024 – Present

Data Structures & Algorithms Course - I2206

- Facilitate weekly laboratory sessions for 30+ students, delivering comprehensive instruction on fundamental and advanced DSA concepts including trees, graphs, sorting algorithms, and complexity analysis
- Provide technical mentorship through code reviews and debugging sessions, helping students develop strong problem-solving skills and write efficient, maintainable code

Projects

Personal Portfolio & Course Platform — React (TypeScript), NestJS

Full-featured personal website with portfolio showcase, professional biography, and integrated learning management system (currently in development).

- Architected using React TypeScript for the frontend and NestJS for the backend, following DDD pattern.
- Implemented PostgreSQL for relational data persistence, AWS Cognito for OAuth 2.0 authentication flows, and S3 for scalable media asset management
- Developing comprehensive course management functionality including automated email notification system and secure payment gateway integration

Dynamic Data Entry & Template-Based Form System — Laravel, React (TypeScript)

Enterprise-grade form management platform enabling dynamic data collection across diverse document types including insurance policies, registration forms, and blood donation records.

- Engineered flexible backend architecture using Laravel with schema-agnostic design supporting customizable form templates, field definitions, validation rules, and data relationships
- Developed responsive React TypeScript frontend featuring dynamic form generation engine that renders forms in real-time based on backend template configurations

- Implemented granular role-based access control (RBAC) system with secure admin dashboard for template lifecycle management, data analytics, and audit logging

CloudQ – GenAI Powered ChatBot and LMS   NestJS, React (TypeScript)

- Architected enterprise-scale learning management system featuring integrated generative AI chatbot, built entirely on AWS cloud infrastructure for high availability and elasticity
- Led end-to-end full-stack development utilizing microservices architecture with dependency injection, domain-driven design, and modular patterns for maintainability and testability
- Orchestrated serverless infrastructure leveraging AWS Lambda for compute, RDS for SQL data storage, S3 for content delivery, and Cognito for secure user authentication
- Integrated generative AI models to deliver personalized course recommendations, RAG, and automated student support through natural language processing

Bikhedemtak – Local Service Network App   Laravel, Java/Android

Cross-platform marketplace application connecting users with nearby service providers through location-based matching.

- Developed responsive web application using Laravel framework with Blade templating engine as part of I3302 (Server-Side Programming) coursework
- Engineered native Android mobile application in Java with RESTful PHP backend API for I3350 (Mobile App Development) course
- Implemented secure authentication system, dynamic service catalog with search functionality, real-time request management, and bidirectional rating system for quality assurance

DonationsManager – Offline Donation Tracking System   Laravel (Blade)

- Engineered standalone offline donation management application for non-technical users, leveraging Laravel framework with SQLite for embedded database functionality
- Designed innovative portable deployment solution by bundling PHP runtime environment with custom multi-stage launcher script (batch script → VBScript → executable), eliminating installation requirements
- Delivered intuitive user interface with comprehensive features for donation tracking, financial reporting, donor relationship management, and data export—fully operational without internet connectivity

Technical Skills

Programming Languages: JavaScript (ES6+), TypeScript, PHP, Java, C, C#, Dart, SQL

Frontend Technologies: React, Redux (State Management), TailwindCSS, Flutter, Blade Templating

Backend Frameworks: NestJS, Node.js, Laravel, ASP.NET Core

Database Systems: PostgreSQL, MySQL, SQLite, DynamoDB (NoSQL)

Cloud & Architecture: AWS (Lambda, S3, Cognito, DynamoDB), RESTful API Design, Microservices Architecture, Serverless Computing

Development Tools: Git/GitHub, Postman, Docker (Containerization), CI/CD Pipelines

Core Competencies: Algorithm Design, System Architecture, Technical Problem-Solving, Cross-Functional Collaboration, Agile Development

Languages: Arabic (Native), English (Fluent), French (Fluent), German (Intermediate)

Leadership & Community Engagement

TechTalksLb   Co-founder & Active Member

Co-founded and actively contribute to a dynamic community platform for technology professionals and enthusiasts, facilitating knowledge exchange, technical discussions, and professional networking within Lebanon's growing tech ecosystem.

LUCSC - Lebanese University Computer Science Club   Active Member

Collaborate in organizing technical workshops, coding events, and educational initiatives designed to enhance

computer science education and promote emerging technology adoption among university students.

Annual Robotic Competition (ARC)   Event Organizer

Coordinate logistics, manage participant registration, and facilitate student engagement in annual university robotics competition, advancing STEM education through hands-on technical challenges and collaborative learning experiences.