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, and Next.js, 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 scalable 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

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

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 scalable architecture with dependency injection, and modular patterns for maintainability and testability
- Leveraging AWS ECS 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

Personal Portfolio & Course Platform   Next.js (TypeScript), NestJS

Full-featured personal website with portfolio showcase and integrated learning management system (Active Development).

- Refactored frontend architecture to Next.js to enhance performance, SEO capabilities, and server-side rendering
- Previously Architected backend using NestJS following DDD pattern to ensure scalable business logic
- 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

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

Technical Skills

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

Frontend Technologies: React, Next.js, Redux, 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

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 Previous 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.