

Charbel Andraos

Software Engineer

Contact

Hadath, Lebanon
70 300 747
Charbelandraos99@hotmail.com

Education

Antonine University
2017-2022
BE in Software Engineering

Technologies

- Java Spring Boot
- Angular
- Microservices
- SQL
- HTML/CSS
- REST API
- Postman
- JavaScript

Databases

- Relational: Supabase, MySQL, Oracle, Postgres
- Non-Relational: Firebase, MongoDB

Experience

Freelance Web Developer: February 2026 - Present:

- Developed conversion-focused websites designed to turn visitors into clients through clear messaging, strong calls-to-action, responsive layouts, and user-friendly contact or booking flows.
- Worked on ecommerce projects, building product-focused pages, category browsing experiences, upselling sections, and clean shopping flows aimed at improving user experience and sales.
- Built modern, responsive websites using Next.js with attention to UI/UX, performance, SEO-friendly structure, and business goals.
- Deployed production-ready projects using Neon for database hosting, Netlify and Vercel for application hosting, and GoDaddy for domain management and DNS configuration.
- Used AI-assisted development tools including Codex, ChatGPT, GitHub Copilot, and CodeRabbit to speed up implementation, review code, and improve development workflow.
- Managed source code and version control using Git and GitHub.

- Selected works: ptwithjules.com, nourishbynoa.com, truenatureblend.com.

Backend Java Developer at Valoores: August 2024 - January 2026:

- Developed and maintained backend services using Java and Spring Boot, following MVC architecture and building scalable microservices aligned with domain-driven design.
- Designed and consumed RESTful APIs, implementing secure endpoints using Spring Security and JWT-based authentication/authorization mechanisms.
- Wrote unit tests and integration tests using JUnit and Mockito, ensuring code reliability and test coverage across modules.
- Utilized Hibernate as the ORM framework for managing data persistence, object mapping, and custom queries via entity manager.
- Designed and structured relational databases, ensuring normalized schema and relationships.
- Created and maintained complex SQL queries, triggers and stored procedures, addressing business logic and reporting needs.
- Built responsive and dynamic frontend interfaces using Angular, consuming REST APIs and implementing reusable UI components.
- Managed source code using GitHub.

Projects:

Worked on a name matching system as part of a compliance and risk management initiative. The goal of the project was to help clients identify individuals or entities under sanctions by screening their customer databases against sanction lists. This system was critical for ensuring regulatory compliance and avoiding illegal business relationships.

Responsibilities & Modules:

- Developed and maintained the Java backend code responsible for orchestrating the screening workflow using existing APIs and services provided by the matching engine team.
 - Built and integrated user-facing screens using Angular or similar frontend technologies to allow clients to submit customer data for screening, view potential matches and confirm or reject flagged records.
 - Integrated with RESTful APIs built by another team to trigger searches, retrieve results, and display match scores and metadata.
-

Backend Java Developer at Globemed: July 2023 - July 2024:

- Developed and maintained backend services following MVC architecture and building scalable microservices aligned with domain-driven design.
- Designed and consumed RESTful APIs.
- Designed and structured relational databases, ensuring normalized schema and relationships.
- Participated in Agile Scrum ceremonies (sprint planning, standups) and tracked tasks and progress using Jira.

Projects:

TPA Healthcare Claims System - Project Overview

Context:

Contributed to the development and enhancement of a healthcare insurance system used by clients to submit and track medical claims and authorizations for treatments, surgeries, and medications. The system automates decision-making processes based on policy rules and submitted data.

Flows Worked On:

Prescription & Authorization Flow:

Developed and maintained modules that allow clients to submit prescription requests and authorization forms for medical treatments or surgeries. Implemented validations, workflows, and backend services to handle document uploads, medical codes, and approval tracking.

Claims Submission Flow:

Built functionality for clients to enter detailed claim information, including medical history, service dates, and provider details. This data was used to evaluate if submitted authorizations met the criteria for approval or rejection, based on insurance policy rules and past claim data.

Full Stack .NET Developer at Microbits: Jan 2022 - July 2023

- Developed websites using .NET Core.
- Met with customers to gather requirements and changes.
- Implemented changes requested by customers.
- Worked closely with cross-functional teams to create innovative solutions that meet business needs.