ABDELLAH BOUHADDI

FULL STACK SOFTWARE ENGINEER | .NET · C# · ASP.NET CORE · SQL · AWS

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PROFESSIONAL SUMMARY

Full stack software engineer with 3+ years of experience building and operating production business applications with C#, ASP.NET Core, Entity Framework Core, SQL, and Razor Pages. Currently extending an established ASP.NET Core SaaS platform across REST APIs, Stripe subscription billing, and customer and administration interfaces, with end-to-end ownership of delivery: architecture, production databases, Linux and AWS servers, domains and DNS, CI/CD, monitoring, and production support. Improved affected database read and write performance by about 40% and leads client projects from requirements to launch. Earlier experience building Java Spring Boot microservices for an HR and payroll SaaS. Works directly with management and clients in English, Arabic, and French.

TECHNICAL SKILLS

Backend	C#, ASP.NET Core, ASP.NET Web API, RESTful APIs, Entity Framework Core, LINQ, dependency injection, JWT and OAuth, Swagger and OpenAPI, OOP, SOLID, design patterns
Frontend	Razor Pages, React, JavaScript, TypeScript, HTML5, CSS3, Bootstrap, responsive UI
Databases	SQL Server, PostgreSQL, MySQL, MongoDB, Firestore; schema design, query optimization, stored procedures
Cloud and infrastructure	AWS EC2, Linux server administration, Docker, Nginx, SSL and TLS, domains and DNS, backups and access control
CI/CD and monitoring	GitHub Actions, Jenkins, Git, Prometheus, Grafana, Loki, Promtail
Payments and testing	Stripe (subscriptions, invoicing, webhooks), Network International; xUnit, JUnit, unit and integration testing
Also experienced in	Java, Spring Boot, Hibernate, microservices, PHP, Laravel, Filament, WordPress, WooCommerce, Flutter, Dart, Firebase, Angular
Ways of working	Agile and Scrum, Jira, code review, secure coding, AI-assisted development (Cursor, OpenAI Codex, MCP) with review and testing before release

PROFESSIONAL EXPERIENCE

Full Stack Developer
Jun 2024 – Present

MATMAK | *Dubai, UAE*

Software company providing a SaaS platform for PPF (paint protection film) pattern cutting, together with web solutions for automotive clients.

.NET SaaS platform

- Extend and maintain an established ASP.NET Core SaaS and PPF cutting platform: REST APIs, Razor Pages interfaces, and business workflows for JWT authentication, subscriptions, invoicing, pricing, credits, and cutting operations.
- Develop within a modular multi-project .NET solution (API, Client, Admin, Models, Services) built on Entity Framework Core, LINQ, and SQL Server-backed application services.
- Redesigned the customer-facing pages and the administration interface into a modern, responsive UI connected to the existing application services and data workflows.
- Integrated Stripe one-time payments, recurring subscriptions, invoicing, and webhook-driven payment status updates.
- Improved affected read and write operations by about 40% by tuning Entity Framework Core queries and redesigning the database schema to remove redundant tables and costly joins.

Delivery, infrastructure, and operations

- Hold end-to-end responsibility for the company's infrastructure: cloud accounts, servers, production databases, domains, DNS, email, and payment services, covering availability, security, backups, and access control.
- Provision and harden Linux cloud and VPS servers from purchase to go-live: SSH access, firewalls, Nginx reverse proxy, SSL and TLS, application runtimes, and deployment of ASP.NET Core APIs and web applications.
- Administer AWS EC2 instances, production databases including SQL Server on AWS, automated backups, and separate staging environments; automate builds and deployments with GitHub Actions.
- Built production monitoring with Prometheus, Grafana, Loki, and Promtail: dashboards and alerts covering servers, APIs, Nginx, and application logs.
- Lead client projects from requirements and architecture through launch and support, working directly with management and clients on priorities, technical decisions, and troubleshooting.

Client projects delivered at MATMAK

XSHIELD online store | *WooCommerce, PHP · Production* | **xshield-protect.com**

- Delivered the public store end to end: Linux hosting, domain and DNS, Google Workspace email, deployment, and operational support.
- Built custom PHP pages and plugins, API integrations, and import and export workflows; configured Stripe and Network International payment gateways for UAE checkout.

HEXIS Training Centre (France) | *Laravel, Filament, React, Docker · Staging*

- Architected and built a multilingual training platform with a Laravel backend, Filament administration, and a React public interface.
- Implemented course planning, locations, registrations, certifications, transactional email, and a quiz flow with emailed access, automatic submission, scoring, and results.

HEXIS Precut Lab / BODYFENCE | *WordPress, PHP, REST API · Production* | **bodyfence.net/hpl**

- Developed a custom WordPress plugin that consumes a dedicated MATMAK API through shortcodes to display vehicle patterns and car kits.

Mobile Application Developer (Freelance)
Apr 2024 – Jun 2024

Self-employed | *Dubai, UAE*

- Developed cross-platform Android and iOS applications with Flutter and Dart, integrating Firebase Authentication, Cloud Firestore, Cloud Storage, and push notifications.
- Migrated an app's data from Cloud Firestore to Supabase on PostgreSQL.

Backend Developer (Java Spring Boot)
Sep 2023 – Apr 2024

Tech-Instinct | *Bejaia, Algeria*

- Maintained and extended the production Spring Boot REST microservices of RH Partner, an HR and payroll SaaS, with each service deployed in its own Docker container and APIs secured with JWT.
- Designed database schemas and optimized SQL queries on SQL Server running in Docker, improving affected query performance by 35%.
- Wrote JUnit unit and integration tests reaching over 90% coverage in the tested scope, and resolved production defects to support reliable releases.

Part-Time Computer Science Instructor
Sep 2022 – Jun 2023

ESTIN Higher School of Computer Science and Technology and University Abderrahmane Mira | *Bejaia, Algeria*

- Taught and mentored 100+ students in programming, algorithms and data structures, computer networks, and web and mobile development; created practical lab material.

EDUCATION

Master's Degree in Software Engineering
2020 – 2022

University Abderrahmane Mira | *Bejaia, Algeria*

- Thesis: progressive web B2C ecommerce application built on the MERN stack (MongoDB, Express, React, Node.js) with real-time inventory, payment processing, and a responsive checkout. University projects also used TypeScript and Bootstrap.

Bachelor's Degree in Computer Science
2017 – 2020

University Abderrahmane Mira | *Bejaia, Algeria*

- Projects: Java inventory management software; C++ desktop and Android game using the Minimax algorithm.

CERTIFICATIONS AND LANGUAGES

Certifications	Java Developer Certificate (2020); Huawei Certification in Cloud Computing
Languages	English, Arabic, French (fluent); Kabyle (native)