BASSMA CHIHAB

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Computer Science & Networks Engineer

PROFESSIONAL SUMMARY

Computer Science and Networks Engineer specializing in software and full-stack development. I translate business needs into maintainable web applications, APIs and integrations that digitize workflows and support reliable operations. My experience covers distributed architectures, databases, mobile development and carefully scoped AI/OCR features. Seeking a full-time role in computer science or software engineering.

PROFESSIONAL EXPERIENCE

DMS Design & Development (AutoFlow) - BS_Link | Casablanca | Mar 2026-Aug 2026
- Designed the functional and technical architecture of an automotive DMS in .NET 9/C# using Clean Architecture, CQRS and MediatR, including multi-constraint scheduling and secure REST APIs.
- Developed a Microsoft Dynamics 365 Business Central REST connector and SQL Server workflows for 8 roles; unit-tested business rules and supported functional validation across 11 modules.

Full-Stack Development - Capital Conseil & Technologie | Remote (Paris) | Jul 2025-Sep 2025
- Developed Angular and .NET 9/C# microservices for profiles/CVs, clients, suppliers, assignments, contracts and invoicing.
- Integrated OCR for CV/KBIS documents with JSON output and role-based authentication; used JWT, Llama 3, SQL Server, Bootstrap, Postman and Git.

Web Application Development - Al Assala School | Casablanca | Jul 2024-Aug 2024
- Designed a Laravel/MySQL platform centralizing school and administrative data with JavaScript and Bootstrap 5; used Figma, Jira and GitHub for design and collaboration.

PROJECTS

MediConnect - Java, Spring Boot, Angular, MySQL: microservices e-health platform centralizing medical data, appointments and exchanges between healthcare actors.
BodyFit AI - Flutter, Python, CNN, MediaPipe, Firebase: mobile application analyzing body morphology to recommend tailored workout programs.
SmartOrderAI - Laravel, Python, Flask, Ollama, JavaScript: local-model chatbot for restaurant orders and reservations.

TECHNICAL SKILLS

Back-end: C, C++, C#, .NET 9, .NET Core, ASP.NET, Java/JEE, Spring Boot, PHP, Laravel, Python, Flask, REST APIs
Front-end: HTML, CSS, Bootstrap 5, Tailwind CSS, JavaScript, TypeScript, Angular, React, Vite
Architecture & APIs: Clean Architecture, CQRS, MediatR, Microservices, JWT, UML
Databases: SQL, SQL Server, MySQL, Oracle, Firebase
AI & Data: OCR, Llama 3, Ollama, CNN, MediaPipe, JSON, Claude, OpenAI, Gemini, Groq
Mobile: Flutter
Tools & Methods: Git, GitHub, Postman, Jira, Figma, Visual Studio, VS Code, Agile, Scrum, Gantt, Microsoft Office

EDUCATION

Engineering Degree in Computer Science & Networks - EMSI | 2023-2026 | Casablanca
Professional Bachelor's Degree in Web & Mobile Application Development - EST | 2021-2022 | Casablanca
Specialized Technician in Software Development - OFPPT | 2019-2021 | Casablanca

CERTIFICATIONS

Oracle APEX Cloud Developer Certified Professional - Oracle University | Oct 2025
Introduction to Containers with Docker, Kubernetes & OpenShift - IBM | May 2025
The Unix Workbench - Johns Hopkins University | May 2024
Front-End Web Developer - EFE Maroc | Jun 2023

LANGUAGES

Arabic: Native | French: C1 | English: B1