Abdelmadjid Houar – C#/.NET Developer
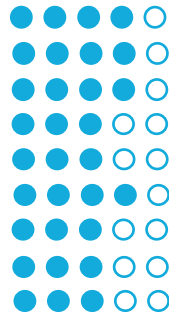
7 years of experience, primarily as a .NET Developer
ASP.NET/Core – SQL – Adaptable
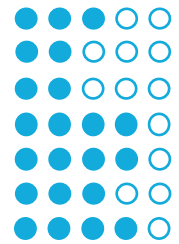Available immediately

HARD SKILLS

- .NET/.NET Core ●●●●○
- C# ●●●●○
- SQL (PL/SQL, T-SQ) ●●●●○
- HTML, JavaScript, CSS ●●●○○
- jQuery ●●●○○
- Git ●●●○○
- Squash ●●●○○
- JIRA ●●○○
- AWS ●●●○○

- Ansible ●●●○○
- Jenkins ●●○○○
- Entity Framework ●●○○○
- SSIS ●●●●●
- IIS ●●●●○
- PowerShell ●●●○○
- OAuth2/OIDC ●●●●○

SOFT SKILLS AND KNOW-HOW

- ASP.NET / ASP.NET Core (Web Apps, APIs)
- WinForms and WPF
- OAuth2/OIDC
- Data Integration (SSIS)
- Strong collaboration and communication skills
- Adaptable, self-motivated, and well-organized
- Analytical mindset
- Agile Methodologies

LANGUAGES

- French: Bilingual
- English: Upper-Intermediate (B2)
- German: Elementary (A2)
- Arabic: Native

EDUCATION

Date
CGI via FuturSkill / Individual Operational Employment Preparation (IOEP)

Date
UCB Lyon 2 / Master's Degree in Electrical Engineering, Process Engineering - Specialization in Automated Systems Engineering

SIGNIFICANT REFERENCES

CGI – C#/.NET Developer
- Mission: Maintenance and enhancement of .NET applications as part of a Service Center (Centre de Service – CDS, in French). Successfully completed various projects, including web services development, updating Web API authentication (OAuth2), and migrating applications to recent versions of the .NET Framework.

Technologies : Technologies: .NET (3.5/4.5/4.8), ASP.NET (Web Forms, MVC), WCF (SOAP, REST), Web API, Windows Services, WinForms, Console Applications, SSIS, OAuth2/OpenID Connect, SAML, C#, SQL, SQL Server, Oracle, Visual Studio, Git, GitLab, AWS.

PROFESSIONAL EXPERIENCES

• .NET Developer
SNCF via CGI – 2018 (Present) (6+ years)

Project / context : Contributed to the maintenance and enhancement of multiple applications on the .NET platform within the HR Service Center, collaborating in an Agile environment with teams of varying sizes.

Activities :
- Maintained and evolved ASP.NET applications (Web Forms, MVC), WCF (SOAP and REST), Windows Services, WinForms, console applications, and data integration (SSIS).
- Developed REST web services and maintained SOAP web services (WCF).
- Migrated applications from .NET Framework 3.5/4.5 to 4.8.
- Transitioned the authentication of a web application from SAML to OpenID and updated web APIs to OAuth2.

Technical Environment: ASP.NET (MVC, Web Forms), C#, WCF (SOAP, REST), Windows Services, SSIS, OAuth2/OIDC, SAML, SQL, SQL Server, Oracle, Windows Server, IIS, Visual Studio (2008, 2012, 2015, 2017, 2019), Git, GitLab, AWS.

• Software Development Training
CGI via FuturSkill – 2018 (3 months)

Project / context : Successfully applied and was selected for the "Individual Operational Employment Preparation (IOEP)" training program, a pre-hiring process by CGI aimed at potential employment, focusing on software development and behavioral skills for optimal professional readiness.

Activities :
- Completed an intensive program covering the fundamentals of software development, from design to implementation.
- Acquired technical and methodological skills for application development, along with project management and teamwork capabilities.

Technical Environment:
Operating Systems: Basic Linux
Programming Languages: Object-Oriented Programming, Java (Fundamentals, JEE/Web JSP Servlet, Spring 4, Spring MVC, Hibernate JPA), C# (ASP.NET MVC 5, Entity Framework)
Tools and Frameworks: Visual Studio, TFS, Maven, AngularJS, jQuery, Git, SVN**Design Techniques:** UML Design, Design Patterns
Web Technologies: HTML5, CSS3, JavaScript, Web Services (REST, SOAP, JAX-WS, JAX-RS)
Databases: Database design, SQL (DML, DDL)
Methodologies: Agile Methods
Other Skills: Time and priority management, stress and emotion management, team cohesion, customer service orientation

- ## Substitute Physics-Chemistry Teacher
Collège T. Monod via Académie de Lyon – 2011/2017 (6 years)

Project / context : Taught physics and chemistry at the middle school level.

Activities :
- Prepared and delivered physics-chemistry lessons.
- Supervised students during practical experiments and graded exams.

Technical Environment: National Education curriculum, laboratory equipment.

- ## Independent Business Owner
Self-Employed – 2008/2011 (3 years)

Project / context : Founded and managed a microenterprise specializing in industrial cleaning services for various clients in the region.

Activities :
- Managed all aspects of the business, from client acquisition to service delivery.
- Handled client relations and ensured contractual obligations were met.
- Organized cleaning operations and managed equipment and supplies.

Technical Environment: Business management tools, industrial cleaning equipment.

- ## Industrial Automation Intern
ADAPT Plastics (Genas, Lyon) – April/September 2008 (6 months)

Project / context : Developed an automation solution for a plastic injection molding machine as part of a final-year internship.

Activities :
- Updated the control system for the injection molding machine to integrate a new feature (rotating transfer arm).
- Programmed the PLC control system and the HMI (touchscreen interface).
- Tested and validated system performance under real-world conditions.

Technical Environment: Programmable Logic Controllers (PLC) and HMI (Horner), control systems, plastics industry.

- ## Substitute Mathematics Teacher
College, Jijel (Algeria) – 2005/2006 (1,5 year)

Project / context : Teaching mathematics to middle school students.

Activities :
- Prepared mathematics lessons aligned with the middle school curriculum.
- Monitored students' academic progress, conducted assessments, and graded exams.

Technical Environment: Curriculum guidelines of the Algerian National Education System.

- ## Intern in Systems Control
LAMEL Laboratory via University of Jijel, Algeria – 2004 (6 months)

Project / context : Final Year Project on controlling multi-level inverters using artificial neural networks (ANNs).

Activities :
- Engineered a real-time control algorithm for harmonic elimination in multi-level inverters, leveraging artificial neural networks.
- Programmed and implemented the artificial neural network algorithm in MATLAB/Simulink to simulate and validate control results.

Technical Environment: MATLAB/Simulink, Artificial Neural Networks, Inverter Control, Simulation.

PERSONAL PROJECTS

- ## Development of a Web API with ASP.NET Core
Personal Project – 2024 (2 months)

Project / context : Completed a project as part of the online course "ASP.NET Core Web API Fundamentals" on the Pluralsight platform, authored by Kevin Dockx. The project involved designing and developing a RESTful API using ASP.NET Core, focusing on resource creation, manipulation, security, documentation, and deployment.

Activities :
- Created a RESTful API utilizing the MVC pattern.
- Integrated Entity Framework Core to manage the database and handle migrations.
- Implemented token-based authentication with OAuth2 to secure the API.
- Managed API versioning and generated automatic documentation using Swagger/OpenAPI.

Technical Environment:
Tools: ASP.NET Core, Visual Studio, Postman, Swagger/OpenAPI
Languages: C#, SQL
Design and Practices: MVC, Repository Pattern, Inversion of Control (IoC), Dependency Injection, Content Negotiation, Data Validation
GitHub Repository: https://github.com/aho-pluralsight/AhoASP.NETCoreWebAPIFundamentals