Djilali SAHRAOUI

SOLUITON ARCHITECT / DATA ARCHITECT

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— Profile

Solution Architect with over 13 years of experience, expert in Azure and DevOps. I specialize in designing and implementing scalable and secure cloud, data, and AI solutions. I work on strategic projects with high business requirements, ensuring technical consistency, performance, and governance. My cross-functional role leads me to mentor Tech Leads and establish architecture and engineering standards.

— Experience

2022-2025
UP COOP

LA FABRIK - HEAD OF ARCHITECTURE (APPS / DATA)

Co-Head of Architecture at Up Coop's Digital Factory, responsible for supporting all Tech Leads on their projects.

- Supporting Tech Leads on architecture choices, best practices, and delivery
- Implementing technical standards: security, quality, monitoring
- Leading architecture reviews and participating in project scoping
- Cross-functional FinOps strategy management and cloud cost optimization
- Technical watch & community leadership: animating the Tech Leads community, organizing training and knowledge sharing sessions
- Documentation & references: creating and maintaining architecture documentation, centralizing best practices and feedback for project teams
- Data & AI: Data Mesh approach support, data platform setup, Unity Catalog migration; implementing and deploying POCs on business use cases in data and AI, in collaboration with product, business, and data teams
- DevSecOps: organization-wide adoption of DevSecOps practices, security integration in CI/CD workflows and infrastructure as code.

Tech Stack: Azure, Terraform, Azure DevOps, .NET, API Management, Azure Monitor, Cloud Adoption Framework, Databricks, ADF, Python, Spark, Spark Streaming, Unity Catalog, OpenAI, LangChain, Draw.io, Sonar, Wiz Cloud

— Education

MASTER'S IN ARTIFICIAL INTELLIGENCE
USTHB
2011-2013

— Skills

- Architecture: Cloud Native (Azure), Microservices, CQRS, DDD, DevSecOps
- Cloud: Azure (App Service, Functions, Cosmos DB, API Mgt, Event Hub...)
- DevOps: Terraform, Azure DevOps, CI/CD, FinOps
- Data & AI: Databricks, ADF, Synapse, OpenAI, Foundry, Fabric, PowerBI, Data Mesh, Data Modeling, Spark, Python, Scala
- Development: C#, .NET, ASP.NET Core, Angular, React, WPF, TDD
- Security & Observability: Azure AD/B2C, Managed Identity, KQL, Log Analytics
- Tools & Methods: Azure DevOps, Git, Scrum, coaching, technical watch

— Languages

French : Native

English : Fluent

Arabic : Native

— Interests

- Sport
- Musique
- Voyage

2019-2021

UP COOP

BMC - SOLUTION ARCHITECT

Design and deployment of a digital ecosystem for affiliated merchants and Up Coop back-office teams.

- Domain-oriented microservices architecture (CQRS pattern: SQL for writes, Cosmos DB for reads)
- Distributed ETL pipelines on Databricks for high-volume partner data integration
- Secure and resilient infrastructure: Azure Firewall, Private Endpoint, VNet, Application Gateway, Front Door
- API exposure via API Management, secured with Azure AD B2C and Managed Identity
- Implementation of backup and resilience strategy (multi-region, RPO/RTO, disaster recovery)
- Monitoring & alerting with Azure Monitor, Application Insights, Log Analytics (KQL)
- FinOps Lead: cost optimization, sizing, budget governance across environments

Tech Stack: C#, .NET, ASP.NET Core, Azure (App Service, Functions, SQL Database, Cosmos DB, Event Hub, B2C, API Management, Firewall, Private Endpoint, VNet Integration, Application Gateway, Front Door), Terraform, Azure DevOps (CI/CD, resilience, HA), Git, Log Analytics, Python, Spark, Databricks, Spark Streaming, DDD, Scrum

2018-2019

**YOSS
MICROSOFT**

SENIOR CLOUD CONSULTANT

Participated in creating the YOSS platform, an internal Adecco Group startup aiming to reinvent the relationship between freelancers and large companies. The solution enabled businesses to search, contract, manage, and pay freelancers through a unified, secure, and automated interface.

- Architecture and development of Domain-Driven Design microservices, hosted on Azure App Service
- Data model design and REST API development with ASP.NET Core
- Public frontend development for freelancers with Angular and TypeScript
- Authentication flow implementation via Azure B2C
- Cognitive Services integration for document recognition
- CI/CD pipeline setup with Azure DevOps

Tech Stack: C#, ASP.NET Core 2, Entity Framework Core, Angular, TypeScript, Azure (App Service, Functions, SQL Database, Cosmos DB, Service Bus, B2C, Azure AD, Search, Storage, Cognitive Services), Azure DevOps, Git

2016-2017

DELOITTE

PROJET TREX | CONSULTANT .NET SENIOR & ARCHITECTE

Participated in the design and development of TRex, an internal solution for managing and editing tax declarations for TAJ's (Deloitte subsidiary) large corporate clients.

- Microservices architecture definition deployed on Azure Service Fabric with distributed orchestration
- Backend application development in ASP.NET / WebAPI, structured into independent business services
- Inter-service communication implementation via Azure Service Bus with business message handling
- Contribution to the application core (cross-functional services, session management, tax validation logic)
- Desktop frontend development in WPF with XAML, including complex business-oriented interfaces
- Azure Active Directory integration for access and identity management

Tech Stack: Service Fabric, Service Bus, ASP.NET, WebAPI, SQL Server, Azure Active Directory, WPF, XAML

2016

L'ORÉAL

SOLUXE - TECH LEAD .NET

Complete redesign of SoLuxe, a business mobile application for Luxury division sales representatives for order taking and field sales tracking.

- Analysis of existing system and application architecture redesign
- Design and development of a modern Windows Store App in XAML / C# using MVVM pattern
- Implementation of offline/online synchronization with SQLite and SyncFusion components
- Guidance on continuous integration practices and TFS build chain configuration

Tech Stack: .NET 4.5, C#, XAML, Windows 8.1 Store App, MVVM, MVVM Light, SQLite, SyncFusion, Visual Studio 2015, TFS, MSTest

2013 - 2016

AGB

CORE BANKING - TECH LEAD .NET

Participated in the complete redesign of a major private bank's Core Banking System, in partnership with Microsoft Consulting Services.

- Design and implementation of application infrastructure with Windows Store App, Prism, and MVVM pattern
- Banking core business development (operations, accounts, products management) in direct collaboration with Microsoft teams and their integration partners
- Development of rich and interactive interfaces in WPF / XAML for front and middle-office agents
- Integration of secure Web APIs, inter-service communication via Service Bus, identity management via ADFS
- Development of modular components with MEF, instrumentation via Enterprise Library, and tracing with ETW

Tech Stack: .NET 4.5, C#, SQL Server 2014, Web API 2, Service Bus, WPF, Windows 8.1 Store App, XAML, Prism, MVVM, MEF, Telerik, Enterprise Library, Expression Blend, TFS, MSTest, Rhino Mocks, ADFS, ETW