

Hamza Atig

Technical Architect 14 years of experience

Date of Birth : March 28, 1987

Email Address : hamza.atig@gmail.com

EDUCATION

2011 Computer Engineering, National School of Computer Sciences (ENSI)

2008 Preparatory classes for engineering studies

2006 School Diploma, Mathematics Section

EXPERIENCES PROFESSIONNELLES

Amundi asset management

Technical Architect

depuis 06/23

Projets : Asset Management platform

- Platform Modernization: Leading the design of a mission-critical asset management platform (portfolio, mandate management, and execution).
- Tech Stack Migration : Driving the evolution from legacy Struts2/Java 8 to a modern Spring Boot 3/Java 17 containerized architecture (Kubernetes, ArgoCD).
- Cloud Architecture : Architecting secure, scalable systems with a focus on real-time data synchronization and automated risk control.
- DevSecOps & Security : Implementing OWASP-aligned controls (SAST/DAST, CVE management) and strong data protection (AES-256, TLS, bcrypt).
- Event-Driven Evolution : Supporting the migration from ActiveMQ to Kafka to enable high-performance asynchronous messaging.
- API & Integration: Designing REST APIs (OpenAPI) and complex integration flows to streamline financial processes.
- Microservices Development: Developed specialized Node.js/Puppeteer services in Docker for automated financial reporting (HTML to PDF).
- Identity & Access : Enforcing cloud-ready security via IAM best practices and robust authentication protocols.

Agile work methods : SaFe

Environnement : Spring, Angular, Keycloak, Spring Security, Oracle DB, Kafka, ActiveMQ, Splunk, Elastic Search, DevSecOps, Kubernetes, ArgoCD, GitLab CI/CD, Node.js, Puppeteer, Docker.

Crédit agricole assurance

Technical Architect

10/22 to 06/23

Projets : Investment platform for financial securities: management of funds and financial assets

(Use of SOLIAM order book and handling of Corporate Actions)

- Architecture Design: Designed and evolved the technical architecture for a high-volume investment platform (funds, corporate actions, and financial assets).
- Strategic Deliverables: Produced HLDs, interface diagrams, and network segmentation maps (via BigUp) to ensure robust system design.
- Cloud Migration: Defined the migration path to a private cloud, ensuring secure data transition with zero downtime for critical operations.

- **Messaging Modernization:** Led the upgrade from ActiveMQ to IBM MQ, significantly improving the reliability of asynchronous financial exchanges.
- **Identity Management:** Implemented centralized SSO and IAM using Keycloak, ensuring regulatory compliance and identity federation across the platform.
- **API & B2B Integration:** Authored REST API specifications and Swagger documentation to bridge financial back-office systems and B2B portals.
- **Stakeholder Coordination:** Aligned delivery with business, enterprise architecture, and AppOps teams to meet performance and regulatory goals.

Agile work methods : Scrum

Environnement : JBoss Application Server, JBoss MQ, Oracle, Cloud Computing, Environmental Monitoring, Java, Security, Terraform, Kubernetes, argocd, gitlab CI CD

Allianz Trade

Technical lead

05/22 to 09/22

Projets : *Financial Guarantees and Obligations Project - For Businesses (B2B)*

- **Platform Modernization:** Led the transformation of a mission-critical B2B platform managing financial guarantees and corporate sureties.
- **Architecture Shift:** Defined the migration roadmap from legacy Java 6/EJB to a modern Java 14/Spring Boot stack using Hexagonal and Microservices patterns.
- **AWS Cloud Migration:** Drove the transition to AWS using Terraform (IaC), API Gateway, Lambda, RDS, DMS, and PostgreSQL/DB2.
- **Technical Leadership:** Acted as Lead Developer and mentor, ensuring high code quality and resolving complex bottlenecks in financial data flows.
- **DevSecOps & Security:** Ensured strict alignment with operational security standards and performance compliance for high-stakes financial transactions.
- **Agile Coordination:** Managed roadmap priorities and cross-functional alignment with business leaders under the Agile SAFe framework.

Agile work methods : SAFe

Environnement : DevSecOps · Quarkus · Reactive Programming · Framework Spring · Hibernate · Java · Maven · Git · JPA · REST · JMS · Jira · spring, Angular, Node.js

Orange Bank

Technical lead

11/19 to 04/22

Projets : *Bank account subscription (online banking), credit card payment, account life cycle management*

- **Technical Evolution :** Led the transformation of Orange Bank's core platform, covering onboarding, accounts, credit, and payments.
- **Modern Architecture :** Defined the migration from legacy SAB monolith to a distributed architecture (Mambu SaaS & AWS Cloud).
- **Mediation & CRM :** Designed the integration layer (Apache Camel) linking core banking, Salesforce CRM, and financial partners (Banque de France, Quicksign).
- **Data Streaming :** Implemented real-time asynchronous data synchronization using Kafka (brokers, consumers, DLQ).
- **DevSecOps :** Drove cloud migration and automation using Terraform (IaC), Kubernetes (EKS), Docker, and Jenkins/GitLab CI/CD.
- **Advanced Security :** Strengthened ecosystem security with Akamai (WAF/Edge), Keycloak (SSO/MFA), and OAuth2/OIDC to protect Salesforce and AWS endpoints.
- **Resilience & Routing:** Ensured high availability and security through mTLS, secure proxies, Dynatrace, and ELK Stack for full-stack observability.

- Leadership : Coordinated cross-functional business, architecture, and ops teams under the Agile SAFe framework.

Agile work methods : SAFe

Environnement

Java 8, Spring (core, mvc, security, batch), Hibernate 5, Webservices REST (CXF, SOAP), Amazon Web Services, Elastic-search, Logstash, Kibana Tomcat, Junit, EasyMock, Oracle DB, Jenkins, Dynatrace

INNSO (Sitel group)

Expert technique

09/17 to 11/19

Projets : Call Center Management Platform presented as a B2B SaaS service featuring functionalities: ticket workflow, user control and monitoring, statistics, etc.

- Omnichannel CRM Strategy: Led the design of a B2B SaaS platform for multinational call centers, unifying voice, digital, and back-office interactions into a 360° customer view.
- Product Architecture: Defined a hybrid CRM model (Standardized vs. Pay-for-Features), balancing generic scalability with client-specific customization.
- Microservices Ecosystem: Architected a scalable backend using Spring Cloud (Boot, Eureka, Zuul) to handle high-volume, multi-country traffic.
- Data Integration & Mediation: Orchestrated complex data flows (XML, CSV, HTTP, SFTP) using MuleSoft to ensure seamless synchronization across legacy and modern systems.
- Performance Engineering: Optimized application response times through SQL tuning, Hibernate relationship refactoring, and CQEngine in-memory indexing.
- Identity & Security: Implemented SAML v2 (SSO) with Service Provider (SP) and Identity Provider (IdP) roles, alongside OWASP-aligned security Pentests.
- Observability & Monitoring: Established advanced monitoring using the ELK Stack (Logstash, Kibana) and Grafana, utilizing JMX/JVisualVM for deep-dive diagnostics.
- Testing & Resilience: Conducted rigorous load testing with JMeter to ensure platform stability under peak international call center traffic.

Agile work methods : Scrum

Environnement

Java 8, spring 5 (core, mvc, security), hibernate 5, WS-REST, microservice (spring-cloud), Mule ESB, quartz-scheduler, Cqengine, Elasticsearch, Logstash, Kibana Tomcat 8, Junit, EasyMock, TDD, BDD, MySQL, Gitlab ci/cd

MindLytix(start-up)

Web Development Manager

05/16 to 09/17

Projets : Platform for creation and tracking of digital advertising campaigns

- Platform Leadership: Directed the design and development of a digital advertising platform focused on campaign creation and real-time tracking.
- Architecture & Design: Defined the technical blueprints and functional specifications, ensuring a modular and scalable component-based architecture.
- Technical Management: Led the development team by planning sprints, providing high-level technical support, and ensuring code quality through hands-on participation.
- Roadmap & Delivery: Orchestrated the product roadmap by defining key milestones and managing both human and infrastructure resources (servers/cloud).
- Resource Optimization: Managed cross-functional coordination and physical resource allocation to ensure optimal platform performance.
- Agile Governance: Implemented Scrum methodologies, overseeing sprint scopes and progress tracking to align with business objectives.

Agile work methods : Scrum

Environnement

Java7, Spring 4 (core, mvc, security), Hibernate 4, Web-services REST(jersey), Spark, MongoDB, Postgresql, Junit, EasyMock, C3js, D3js, JQuery, PgAdmin, Jetty, Tomcat, Jenkins, Jira

Karavel - Promovacances

Technical lead

11/14 à 04/16

Projets : Several online holiday sales sites (promovacances, fram, ecotour,...)

- Technical Leadership: Led the evolution and maintenance of high-traffic e-commerce platforms (Promovacances, Fram, Ecotour), ensuring stability during peak sales periods.
- Greenfield Projects: Directed the end-to-end development and successful launch of the new Ecotour and Fram websites from scratch.
- Architecture Refactoring: Overhauled core modules using a modern stack, including Spring MVC, Apache Camel, and CXF Web Services for robust backend logic.
- Search & SEO Optimization: Implemented advanced search capabilities with Elasticsearch and addressed complex SEO requirements to drive organic traffic.
- Frontend Evolution: Developed dynamic UI components and widgets using Handlebars, jQuery, and Backbone.js to enhance user experience.
- Deployment & CI/CD: Oversaw production deployments and streamlined delivery pipelines using Jenkins and DeployIT.
- Observability & Monitoring: Managed application health and performance monitoring using AppDynamics and Splunk to ensure high availability.
- Agile Governance: Participated in roadmap definition and milestone tracking under the Scrum methodology, aligning technical delivery with business goals.

Agile work methods : Scrum

Environnement

spring 3, Hibernate 3, MySQL, Free Marker, MongoDB, Elasticsearch, Camel, Junit, EasyMock, Handlebars, jQuery, Backbone, Eclipse, MySQL Workbench, Tomcat6, Jinkins, Jira, DeployIT, darts, AppDynamics, Splunk

Development Experiences

06/11 à 11/14

IT-CE: Caisse d'Epargne / Upgrading the credit card payment platform.

- Functional and technical specifications
- Development of data migration batch (Spring batch)
- Adding functionalities to existing applications (consultation of new products, management of authorizations, updating of the billing system, statistics, etc.)
- Updating of development modules and APIs used

Environnement

Eclipse, Tomcat6, Spring 3 (Core, Batch, MVC, WS, Security), Hibernate 3, Oracle 10g, Bootstrap

OnyourMap / Design and development of the backend of a vehicle tracking application.

- Rule engine for vehicle tracking and reporting
- Engine for sending and managing alerts (sending SMS or emails)
- Data indexing and search engine
- Restful Webservice for interaction between the two front-end and back-end parts
- Task scheduler for generating and time managing reports
- Connector for transferring (with encryption or decryption) messages between Tracking boxes and the platform.

Environnement

Drools, Rest-full Webservices, Lucene, Jasper reports, Quartz job scheduler, Cassandra (NoSQL database), H2 database, JMS, JMX, JAXB, Java mail, Junit, EasyMock, Jboss cache, Maven3, Git, GitHub, Eclipse

SPB Insurance Broker / Design, development, and integration of Web-Services (JAX-WS, Axis-2)

Environnement

Drools, JavaScript, Java, JEE, SQL, Eclipse, Jboss Seam, Hibernate, Ejb, JSF RichFaces, Maven2, JBoss Developer studio, CRM, SQL server, Hudson, Sonar

Owliance: insurance and banking services

Environnement

Drools, JavaScript, Java, JEE, Sql, Eclipse, Jboss Seam, Jsf, Maven2, Hibernate, Eclipse, Drools Guvnor, SQL server, Hudson, Sonar