Haithem Mihoubi

Senior Full Stack Software Engineer · Java / Spring Boot · Angular · Microservices

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Professional Summary

Results-driven Senior Full Stack Software Engineer with 4+ years of experience architecting and delivering scalable, cloud-native systems used by thousands of daily active users. Deep expertise in Java 21, Spring Boot 3, Spring Cloud, and Angular, with a proven track record across regulated industries (banking, fintech, and transportation). Hands-on experience with microservices, event-driven architecture (Apache Kafka, RabbitMQ), cloud infrastructure (AWS, Azure, Kubernetes), and CI/CD automation. Committed to clean code, SOLID principles, and measurable performance improvements. Seeking senior or lead engineering roles in high-impact product or consulting environments.

Technical Skills

- **Languages:** Java 21, JavaScript, TypeScript, SQL, PHP
- **Backend Frameworks:** Spring Boot 3, Spring Cloud, Spring Security, NestJS, Laravel
- **APIs & Architecture:** REST APIs, GraphQL, Microservices, Event-Driven Architecture, CQRS, DDD, OpenAPI/Swagger
- **Frontend:** Angular 17+, RxJS, NgRx, HTML5, CSS3, Flutter
- **Messaging & Caching:** Apache Kafka, RabbitMQ, Redis, Caffeine Cache
- **Databases:** PostgreSQL, MySQL, MongoDB, JPA/Hibernate
- **Cloud Platforms:** AWS (EC2, S3, Lambda, RDS, EKS), Microsoft Azure
- **DevOps & Infrastructure:** Docker, Kubernetes, Helm, Terraform, Ansible, Jenkins, GitLab CI/CD
- **Security:** OAuth2, JWT, RBAC, API Gateway, OWASP, BaFin compliance
- **Observability:** ELK Stack (Elasticsearch, Logstash, Kibana), Grafana, Prometheus
- **Testing:** JUnit 5, Mockito, TestContainers, Integration Testing, SonarQube
- **Tools & Practices:** Git, GitHub, GitLab, Jira, Confluence, Agile/Scrum, Code Review

Work Experience

Full Stack Engineer Jan 2026 – Present

PASS Consulting Group · Full-time · Client: Metzler Banking & Insurance (Germany, Remote)

Project: Legacy Banking Modernization – C# / .NET to Java Spring Boot & Angular

- Re-engineered core banking modules from C# / .NET to Spring Boot 3 (Java 21) microservices architecture, significantly reducing deployment complexity.
- Delivered modular Angular 17 frontend components to replace legacy desktop interfaces, modernizing critical user workflows.
- Secured all financial transaction APIs with Spring Security (OAuth2 / JWT) to achieve full BaFin regulatory compliance.
- Migrated and optimized legacy SQL schemas to PostgreSQL using JPA/Hibernate, improving query performance and maintainability.
- Maintained 100% functional parity during migration with zero downtime in a high-stakes production banking environment.

Senior Full Stack Developer May 2023 – Dec 2025

Logawin – Transportation Platform (Spring Boot Microservices & Angular SPA)

- Designed and implemented multiple Spring Boot microservices serving thousands of daily active users with high availability.
- Built core services: User Management, Ride Booking, Payment Processing, Geolocation, and Real-time Notifications.
- Improved API performance by implementing Redis caching, optimizing JPA queries, and tuning database connection pools.
- Integrated secure payment gateway with fraud detection, handling substantial monthly transaction volume.
- Developed responsive Angular SPA with real-time ride tracking, interactive maps, and reusable component library.
- Implemented ELK Stack for centralized logging and monitoring, reducing incident response time.
- Established CI/CD pipelines with automated testing, security scanning, and blue-green deployments.
- Mentored junior developers and led architectural decisions for system scalability and maintainability.

Full Stack Developer Jan 2022 – May 2023

Value Digital Services · Enterprise Banking Platform – BIAT Bank, Tunisia

- Delivered an enterprise banking application used by hundreds of bank employees, maintaining 99.9% uptime and zero data loss incidents.
- Integrated with core banking systems via secured REST APIs featuring end-to-end encryption, full audit trails, and role-based access control.
- Implemented Apache Kafka event-driven pipelines to handle high-volume banking transactions in real time.
- Improved system throughput through Spring caching, query optimization, and HikariCP connection pool tuning.

- Built an Angular frontend with real-time dashboards, dynamic reporting modules, and granular RBAC interface layers.
- Translated regulatory and functional requirements from business analysts into technical solutions compliant with Tunisian banking standards.

Software Developer Jan 2020 – Jun 2021
GSM Guide

- Built full-stack web applications (Laravel, Angular) and cross-platform mobile apps (Flutter) for business management solutions.
- Managed cloud infrastructure deployments and performed application performance tuning.
- Delivered multiple projects on schedule within Agile/Scrum teams, consistently meeting scope and budget targets.

Freelance & Notable Projects

- **B2B Taxi Platform – NestJS Microservices & Real-Time Dispatch** Nov 2025 – Present
  Solid Wall Consulting · Freelance · Tunis, Tunisia
  Architected a production-grade microservices ecosystem (NestJS, Database-per-Service pattern) serving both B2B and B2C traffic. Designed RabbitMQ topologies for real-time trip requests and driver dispatching. Built a Redis Geospatial Dispatch Engine for nearest-driver matching. Engineered Stripe payment processing (B2C) and automated B2B monthly invoicing via background workers. Integrated Google Maps and OSRM APIs for real-time ETA and route optimization.
  Stack: NestJS · TypeScript · RabbitMQ · Redis · PostgreSQL · Docker · JWT · Stripe API · Google Maps API · OSRM
- **Technical Mission – CarboTraker (Carbon Footprint Platform)** Jan 2025 – Mar 2025
  Novated Solution · Technical Consulting Mission
  Conducted in-depth performance audits, identifying and resolving critical API bottlenecks. Performed comprehensive code reviews, elevating overall code quality via SonarQube standards. Introduced clean code and SOLID development guidelines adopted across the engineering team. Optimized PostgreSQL queries for carbon tracking modules, significantly reducing report processing time.
  Stack: Spring Boot · PostgreSQL · SonarQube · REST APIs · JPA/Hibernate
- **Software Engineer – La Maison des TPE (MTPE Accounting SaaS)** May 2024 – Jul 2024
  Freelance · Tunis, Tunisia · Remote
  Refactored and improved existing Spring Boot architecture for a multi-tenant accounting platform. Optimized database queries and implemented advanced caching strategies; improved API response times by approximately 70% through JPA/Hibernate query tuning. Implemented performance monitoring with proactive alerts, optimization patterns for large volumes of accounting data, and service-layer restructuring for scalability and maintainability. Configured tuned JDBC connection pools and efficient resource management.
  Stack: Spring Boot · JPA/Hibernate · PostgreSQL · Redis · Caching · HikariCP
- **Sam With A Van (UK) – samwithavan.co.uk** Feb 2026 – Present
  Designed and deployed a conversion-optimised lead-generation website for a UK logistics and re-

moval service. Implemented streamlined quote-request flow, cross-browser responsive UI, and full-stack deployment with domain configuration – resulting in measurable increase in online enquiries.
Stack: React · JavaScript · HTML5 · CSS3 · cPanel · Apache

- **Kubernetes Infrastructure – UAT & Production (Proxym Group)** Jan 2026 – Feb 2026
  Designed and deployed end-to-end Kubernetes clusters on bare-metal servers for UAT and Production environments, including provisioning, orchestration, security hardening, backup automation, and Ansible playbooks for repeatable configuration management.
  Stack: Kubernetes · Docker · Helm · Ansible · Terraform · Linux · Bare-Metal

- **Taxi VD (Switzerland) – taxivd.ch**
  Built a high-availability booking platform for a Swiss transportation company with mobile-first UI, Google Maps real-time routing, and targeted local SEO improvements for the Vaud region.
  Stack: React · JavaScript · HTML5 · CSS3 · Google Maps API · SEO

- **Smart Parking Management System – parkinny.tn**
  Engineered a connected smart parking platform with real-time space availability tracking, online reservation system, and predictive analytics dashboard.
  Stack: Spring Boot · Angular · MQTT · PostgreSQL · Docker

Education

- **Master in Software Engineering & Enterprise Architecture** 2023 – 2025
  ISI, Tunisia – Online Evening Programme – Focus: Distributed Systems, Full Stack Development, Software Architecture

- **Master in Advanced Robotics & Artificial Intelligence** 2023 – 2025
  ENSIT, Tunisia – Online Evening Programme – Specialization: Machine Learning & AI Systems

- **Executive MBA – Business Administration & Management** 2022 – 2024
  Academy Europe (Accredited, Germany) – Strategy, Leadership & Technology Management

- **Bachelor in Information Systems & Software Development** 2019 – 2022
  ISET Rades, Tunisia

Certifications

- **AWS Certified Cloud Practitioner** – Amazon Web Services
- **AWS Well-Architected Proficient** – Amazon Web Services (Dec 2025)
- **AWS Partner: Technical Accredited** – Amazon Web Services (Dec 2025)
- **AWS Educate: Introduction to Generative AI** – Amazon Web Services (Dec 2025)
- **Microsoft Certified: Azure Fundamentals (AZ-900)** – Microsoft
- **Microsoft Certified: Security, Compliance & Identity Fundamentals (SC-900)** – Microsoft
- **Certified Calico Operator: Level 1** – Tigera (Jan 2026)
- **Cisco Networking Automation** – Cisco (Jan 2026)

- **Junior Cybersecurity Analyst** – Cisco
- **Ethical Hacker** – Cisco
- *Full certification list:* linkedin.com/in/haithem-mihoubi/certifications

Languages

- **English:** Professional working proficiency (C1) – EF SET Certificate: cert.efset.org/en/APrw7n
- **German:** Elementary proficiency (A1–A2)
- **French:** Upper-intermediate (B2)
- **Arabic:** Native speaker