

Jobran Amairi

Senior Full Stack Developer

jobran41@gmail.com | +32 492 39 88 78 | Brussels, Belgium

linkedin.com/in/jobran-amairi-b86578111 | jobran-amairi.com

PROFESSIONAL SUMMARY

Founder & Principal Engineer of Zone4Build — an AI application platform with a production-grade browser IDE and a governed, multi-tenant backend, so enterprises get **AI-speed delivery without losing control or ownership**.

Senior Full Stack Developer with **10+ years** of experience designing and delivering complex enterprise systems across **biometrics, telecom, identity management, and SaaS platforms**. Proven track record in microservices architecture, cloud infrastructure (AWS, Kubernetes), and secure authentication systems (Keycloak, mTLS). Deep expertise in Java SpringBoot, React/Next.js, Angular, and multi-database strategies (PostgreSQL, Couchbase, Elasticsearch, MongoDB).

I am particularly drawn to environments where engineering rigour meets product impact — where the systems built have real consequences for the people and organisations that rely on them. Most recently I have focused on bringing large language models into software delivery — building AI agents that write and ship production code under human governance, not hype. I thrive in collaborative, technically ambitious teams and am equally comfortable leading architecture decisions as I am writing production code.

PROFESSIONAL EXPERIENCE

Zone4Build/Zone4Code — Founder & Principal Engineer · AI Application Platform

March 2026 – Present

AI Application Platform · Browser-Based IDE · Multi-Tenant SaaS · Enterprise Governance

- **AI Application Platform:** Designed and built a platform that turns natural-language descriptions into production-ready web applications on a managed backend, with a guided AI build lifecycle.
- **Production-Grade Browser IDE:** Engineered a full in-browser development environment — live preview, visual click-to-edit, integrated AI assistance, code editor and version snapshots — a real IDE built for shipping and maintaining apps, not a sandbox toy.
- **Enterprise Value:** Lets teams adopt AI-assisted development without losing control — role-based access, approval workflows, per-customer data isolation and auditability — so apps are standardized, governed and maintainable instead of throwaway prototypes.
- **Multi-Tenant SaaS:** Architected secure per-customer isolation (identity, data and runtime) with automated end-to-end onboarding — no manual provisioning.
- **Cloud-Native Backend:** Microservices backend with container orchestration, isolated per-project runtimes, automated deployments and TLS throughout.
- **AI Agents:** LLM agent system with guarded tool execution and human-in-the-loop approvals for safe, reviewable automation.
- **Managed Backend & SDK:** Automated data, authentication and access provisioning, exposed through a reusable SDK for seamless integration.
- **Billing & Access:** Subscription billing, SSO and role-based access across customer accounts.

Tech: React · TypeScript · Node.js · Microservices · PostgreSQL · Identity & Access Management · Docker · Kubernetes · LLM/AI Integration · Payments

Proximus — Freelance Full Stack Developer

June 2024 – Present

Customer Analytics · Data-Driven Dashboards · Microservices · Async Data Processing

- **Decision Intelligence Dashboard:** Full-stack BI platform for real-time customer behavior insights across massive daily data volumes.
- **Async Data Pipeline:** SpringBoot system with resequencer, mapper and entity service patterns for high-volume telecom data streams.
- **Elasticsearch & Splunk:** Core aggregation layer for sub-second responses across millions of daily records with full log observability.
- **AI Conversational Analytics:** Natural language interface — users describe what they want, the AI interprets intent and instantly returns dynamic charts and visualizations.
- **WebMethods Integration:** Enterprise layer orchestrating data flows between legacy systems and modern microservices.
- **Hybrid Persistence:** Multi-database architecture combining PostgreSQL, Couchbase and Elasticsearch.

Tech: Next.js · SpringBoot · PostgreSQL · Elasticsearch · Couchbase · Splunk · WebMethods · AI/NLP · Real-time Viz

Satoris International — Senior Full Stack Developer

May 2023 – May 2024

Biometric Identity Management · Microservices · Secure Cloud Infrastructure · Multi-tenant SaaS

- **Microservices Architecture:** Production-grade ecosystem — auth-api, document lifecycle, biometric processing and notification dispatch.
- **Kubernetes (MicroK8s):** Full containerized infrastructure with zero-downtime rolling deployments for government issuance operations.
- **JSONB Multilingual Flow:** PostgreSQL JSONB-based i18n eliminating JOIN-heavy translation tables for real-time multi-language document generation.
- **Multi-tenant Platform:** Dynamic tenant resolution with isolated Keycloak realms for multiple government agencies.
- **mTLS Security & RBAC:** End-to-end encrypted biometric data with JIT provisioning IAM and Keycloak role synchronization.
- **Compliance Engine:** Rule-matching engine (AND / OR / Priority) automating document renewal, validation and conformity checks.

Tech: Angular 17 · SpringBoot · PostgreSQL · PgBouncer · Kubernetes · Keycloak · Docker · mTLS · TypeScript

Novencia — Senior Full Stack Developer

November 2021 – April 2023

Microservices Architecture · Authentication Systems · Full Stack Development · DevOps

- **Monolith to Microservices:** Full redesign using Hexagonal/DDD patterns and gRPC inter-service communication.
- **Keycloak Auth Microservice:** Dedicated service managing users, roles, groups, scopes and permissions as Node.js middleware.
- **CLI Tool (zone4code):** Custom CLI for CRUD generation, i18n scaffolding and Git version management.
- **Document Microservice:** Dual storage — S3 AWS and MongoDB GridFS for scalable asset management.
- **Micro-Frontend Architecture:** Nginx gateway with Storybook 6 and full OpenAPI/Swagger documentation.

Tech: Fastify · Node.js · React · Redux · SpringBoot · Keycloak · MongoDB · GridFS · Docker · gRPC · DDD

Groupado — Senior Full Stack Developer

July 2019 – October 2021

Cloud Architecture · Microservices · Mobile · Real-Time Features · Payments

- **Expert Course Platform:** Full-stack AWS-hosted platform for indoor/outdoor expert courses with Keycloak SSO.
- **Real-Time Communication:** WebRTC/Jitsi conference app, messaging system and Firebase push notifications.
- **Payment Gateway:** Unified PayPal, Stripe and Checkout.com with IP-based currency localization.

- **CI/CD & Migration:** GitLab pipelines and Angular 9 → React Hooks migration.

Tech: React · SpringBoot · Node.js · Keycloak · PostgreSQL · Docker · Kubernetes · WebRTC · Firebase · Stripe

Target LLC — Frontend Developer

July 2017 – May 2019

Data Visualization · Design Systems · Mobile · GraphQL · IoT Dashboards

- **IoT Dashboard:** Real-time oil production sensor dashboards with role-based shared boards.
- **Design System:** Full Storybook component library with color tokens and typography.
- **GraphQL & Redux:** Apollo Client with reselect entity approach for cross-app state sync.
- **Mobile App (PDO Oman):** Angular/Ionic app for field agents tracking operational data.

Tech: React.js · Redux · Apollo · GraphQL · Angular · Ionic · Webpack · Storybook · Figma

Streammerz — Web & Mobile Developer

January 2015 – May 2017

Frontend Development · CMS · Mobile Applications · Full Stack Integration

- **Dynamic Web Development:** Websites and showcase sites with precise PSD/PDF template integration, W3C compliant.
- **CMS Administration:** WordPress and Joomla with custom modules and OVH hosting management.
- **Mobile & Booking Platform:** Cordova/Ionic mobile apps and PHP5/AngularJS booking app migrated to Angular 2.

Tech: HTML5 · CSS3 · PHP5 · AngularJS · Angular 2 · Ionic · Cordova · WordPress · Joomla

CORE SKILLS

Frontend: React.js · Next.js · Angular 2–17 · TypeScript · Redux · GraphQL · HTML5 · CSS3 · Tailwind · Material UI · Storybook

Backend: Java SpringBoot · Node.js · Express · Fastify · NestJS · REST · gRPC · WebMethods · OpenAPI/Swagger

Databases: PostgreSQL · MongoDB · Couchbase · Elasticsearch · Redis · GridFS · S3 AWS

DevOps & Cloud: Docker · Kubernetes · MicroK8s · GitLab CI/CD · AWS · Heroku · Google Cloud · OVH

Security & Auth: Keycloak · mTLS · RBAC · JIT Provisioning · SSO · OAuth2 · JWT

Architecture: Microservices · DDD · Hexagonal · Micro-Frontend · Event-Driven · Async Messaging

EDUCATION

2017 — IT Engineer — UAS

2015 — Master's Degree in Command System

2013 — Applied License in Technology, Multimedia & Web Development

2010 — Bachelor's Degree in Computer Science

LANGUAGES

English: Fluent

French: Fluent

Arabic: Native