



Ahmad Jumaa Zabadne

Software and Systems Developer

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About me

Full-Stack Developer with experience building web and mobile applications across diverse domains including telecom, e-commerce, and cosmetics. Proficient in modern frontend frameworks (Nuxt/Vue, Flutter, React) and backend technologies (NestJS, Spring Boot, FastAPI, Supabase), with hands-on experience designing REST APIs, integrating with hardware security modules, and working with Elasticsearch and PostgreSQL. Experienced in database administration including triggers, functions, automated backups, and server migrations. Skilled in DevOps workflows including Docker, CI/CD pipelines, and multi-service architectures. Background in robotics education and international competitions (WRO), with a passion for building reliable, well-architected software.

Skills

Languages: Java, TypeScript, Python, Dart, C, JavaScript

Frameworks: Spring Boot, NestJS, Nuxt 4 (Vue 3), Flutter (BLoC, GetX), FastAPI, React, Astro, Retrofit/Dio

Databases: PostgreSQL, Prisma, Elasticsearch, Redis, Supabase

Infra / DevOps: Docker, Docker Compose, Docker Swarm, Ansible, nginx, MinIO / S3, GitLab CI/CD, GitHub Actions

Other: Tailwind CSS, Pusher (WebSockets), BullMQ, Firebase Cloud Messaging, OpenAPI codegen, Stripe, Figma, HSM / PKCS#11, TLS/SSL

Spoken languages: Arabic (native), English (fluent)

Work Experience

Solarya — Nabta (Plants E-commerce Platform)

May 2026 — June 2026

Solo Full-Stack / Infrastructure Engineer (Freelance, Remote)

- Sole engineer who architected and built, end-to-end, a plants e-commerce platform as an 8-repo polyrepo — backend, two mobile apps, a web admin panel, a landing site, and VPS infrastructure — leading the system architecture, design diagrams, and technical decisions; delivered the catalog MVP (browse, multi-name search, smart suggester, USD ↔ SYP pricing) deployed and E2E-tested, and specified cart/checkout (COD), payments, plant-care, and an AI plant-doctor flow (AI draft → human review).
- Built the backend with NestJS 11, Prisma 6, and PostgreSQL 16 — 25 modules and 59 REST endpoints with OTP auth, role-based access control (5 roles), Redis caching and BullMQ jobs, MinIO/S3 media (presigned URLs, Sharp processing), structured logging, rate limiting, and a Swagger/OpenAPI spec that generates the typed mobile and web clients.
- Developed two Flutter (BLoC) apps over a shared package (DI, networking, theming, generated OpenAPI client) — an Arabic-first customer storefront (browse, multi-language search, smart suggester, cart) and a role-aware admin console — with RTL localization and patrol E2E tests.
- Built a Vite + React 19 admin panel (TanStack Query, Zustand, Tailwind v4, Orval-generated client) and a bilingual Astro landing site on GitHub Pages; provisioned and deployed the stack on a single VPS via Docker Compose (Postgres, Redis, MinIO, nginx) with Ansible provisioning and rehearsed, age-encrypted backup/restore drills.

Full-Stack Developer (Full-time, Remote)

- Developed a full-stack telecom management platform from scratch, building the frontend with Nuxt 4 (Vue 3, TypeScript, Tailwind CSS) and the REST API with Spring Boot (Java 21), with 42 REST endpoints across 5 controllers, typed domain models, validation, and structured error handling.
- Built admin web tooling with 30+ Vue components, server-side paginated data tables, batch CSV import with row validation, and a real-time log viewer backed by 2 Elasticsearch indices with aggregation queries and custom Painless scripts.
- Designed and built a standalone HSM gateway service integrating SoftHSM via PKCS#11, exposing 6 cryptographic operations (AES-CBC encrypt/decrypt/re-encrypt, RFC 4493 AES-CMAC) plus key-management endpoints.
- Containerized the full platform as 14 services orchestrated via Docker Compose and contributed to a 19-job GitLab CI/CD pipeline covering test, build, RPM + Docker publish, and deploy stages; rolled out multi-language (i18n) support across web and API.

MasahTech

April 2026

Software Consultant — Flutter & Architecture (Freelance, On-site)

- Led the Flutter architecture for Awan, a chat application rewrite, defining Clean Architecture layering, BLoC-based state management, and typed error handling patterns.
- Designed the real-time and offline-first chat architecture, covering Socket.IO event handling and local message persistence with multi-device sync.
- Authored the team's architecture and conventions documentation and reviewed merge requests with detailed inline feedback.

IRIS

February 2026

Lead Flutter Developer (Freelance, On-site)

- Led the development of PazarPro, a multi-vendor e-commerce marketplace application with 99 screens across 21 feature modules, implementing clean architecture with BLoC pattern (127 blocs) for state management and Retrofit/Dio for type-safe integration with 180+ REST endpoints.
- Built real-time communication including in-app chat with voice messaging via Pusher WebSockets, integrated Stripe for payment processing and wallet management, and implemented multi-language support across English, Arabic, and Turkish with RTL rendering.
- Designed reusable architectural components such as generic pagination and data-fetching base BLoCs, supporting dual user flows (customer and vendor) with role-based navigation and dashboards.

Hatlakdeals

August 2025

Flutter Developer (Freelance, Remote)

- Implemented Flutter UI from Figma and integrated REST APIs with GetX and Retrofit/Dio, following clean architecture, across a production two-app classified-ads marketplace (buyer and seller apps sharing about 80% of the codebase).
- Contributed within the team to a feature-modular codebase (12 feature modules, 100 screens, 67 REST endpoints) with real-time socket.io chat and notifications, OTP auth, a 3-step guest checkout, and Google Maps, media, and ads integrations; the apps are live on Google Play.

Zariot

April 2023 — December 2025

Embedded Systems & Flutter Developer (Full-time, Remote)

- Specialized in SIM module interfacing and secure communications, using C for low-level operations and Python for testing and setup.
- Developed a Flutter application as a front-end interface to C-based systems to enhance client interaction with SIM systems.
- Built and managed testing environments for secure connections, with hands-on TLS/SSL protocol implementation and analysis.
- Debugged and hardened security practices in embedded systems and communication networks.

Full-Stack Developer (Part-Time, On-site)

- Debugged and optimized existing backend applications to enhance performance and efficiency.
- Developed new backend services using FastAPI, ensuring scalability and responsiveness.
- Deployed backend services with Docker, Docker Swarm, and Ansible for seamless orchestration and deployment automation.
- Developed new mobile applications using Flutter to meet company requirements and improve user experience across platforms.
- Implemented GitLab CI/CD pipelines to automate build, test, and deployment processes, improving development workflow and reducing deployment time.
- Deployed and managed self-hosted Supabase on Docker, working extensively with PostgreSQL triggers, functions, and role management. Built automated cron jobs for backup and restore to support seamless server migrations.

Intelligent Solutions Planet

April 2023 — May 2024

Lead Flutter Developer (Freelance, Remote)

- Led Flutter development of Eplanet, a cross-platform (iOS and Android) e-commerce app, as top contributor (203 of 297 commits) on a 4-developer team, on clean architecture with Riverpod.
- Built 26 feature modules with Dio and Retrofit REST integration (19 clients, 68 endpoints) plus a GraphQL CMS layer, Stripe and PayPal checkout, Firebase push, deep links, and four-language localization (Arabic, German, English, Turkish) across dev, stage, and prod flavors.

Daoorli & EcoMundo

July 2021 — November 2022

Application Developer (Full-time, On-site)

- At Daoorli, led mobile application development in Flutter with clean architecture and integrated front-end with back-end services for a cohesive user experience.
- At EcoMundo, contributed to the Cosmetics Factory Application as a React (TypeScript) developer in a Micro Frontend architecture, working within a 20-person Agile/Scrum team.

MySlide

September 2019 — March 2021

Presentation Designer and Trainer (Full-time, On-site)

- Designed 1,000+ comprehensive reports, infographics, and professional presentations using PowerPoint.
- Facilitated training sessions for 100+ participants, enhancing PowerPoint and presentation skills across a wide range of skill levels.

Syrian Computer Society & RoboLAT Club

2019 — 2021

Robotics Instructor and Competition Coach (On-site)

- Trained 100+ students on LEGO EV3 and Arduino, focusing on foundational programming and robotics concepts.
- Actively engaged in open days and events, providing instruction and insights on the fundamentals of programming and robotics.
- Coached teams across 3 robotics competitions including ARC5, guiding and mentoring participants through preparation and execution.

Education

Syrian Virtual University

August 2019 — 2026

Information Technology Engineering (Software Engineering specialization)

- Graduation project (Data Sphere, team of 3): an interactive web analytics platform built with React 18, TypeScript, and Vite (44 components) that lets users upload CSV files and build custom dashboards with pivot tables, drag-and-resize report canvases, and bar/line/pie charts. Built on Firebase (Firestore, Storage, Auth) with protected routes, and containerized with Docker.
- Fourth-year project: Minbar, a Flutter social media app built on Firebase (Firestore, Storage, Auth) with Hooks + Riverpod, supporting text, image, and video posts, likes, comments, search, profiles, per-post privacy toggles, and Google and Facebook sign-in.
- GPA: 2.75 / 4.0 (Very Good classification); 288 credit hours passed across 50+ courses.

Volunteer experience

Al-Tamayoz

January 2019 — April 2021

- Participated in the World Robot Olympiad (WRO) 2019 in the Regular Senior Category, ranking 5th nationally in Syria.
- Actively involved in several human relief events, contributing to community support and humanitarian efforts.

RBCs

October 2017 — October 2021

- Provided IT education to university peers and school students, covering robotics, Arduino, and presentation skills.
- Conducted PowerPoint workshops, enhancing presentation abilities across various age groups.
- Participated in open days and events, offering introductory IT insights and interactive experiences.

RoboTech Club

April 2018 — May 2019

- Competed in the World Robot Olympiad (WRO) 2018 in the Regular Senior Category.
- Served as an Assistant Coach in the “Basics of Robotics” course, educating participants on foundational robotics concepts.