

BADWI FINIANOS

Lead Developer • Tech Lead • Solution Architect

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PROFILE

Lead developer and tech lead with 8+ years shipping production systems across fintech, banking, geospatial, and media, in France, Saudi Arabia, and Lebanon. Hands-on across the full stack (TypeScript/Node.js, React/Vue, React Native, PostgreSQL, Kubernetes) with a track record of owning complex backend and infrastructure problems end-to-end.

Comfortable in lead roles that mix coding, architecture, and team coordination, whether that means driving a major infrastructure migration solo, leading 4-6 engineers across squads, or pairing with product to shape a roadmap.

EXPERIENCE

Geoptis — Groupe La Poste, Paris — Lead Developer Nov 2024 – Present

Lead developer on GME, a geospatial analytics platform with ~1,000 monthly users across 30–50 client organisations and 4 internal teams (≈40 people).

- **Infrastructure migration:** Solo-architected and executed a full migration from Docker Swarm to Kubernetes on OVH (CloudNativePG, ArgoCD, Helm, Longhorn). Eliminated recurring weekly production outages, unlocked horizontal scaling, and stood up a full observability stack (Grafana, Loki, Prometheus) giving the team production visibility it had never had.
- **Database migration & optimisation:** Migrated the 1.3 TB production PostgreSQL database to the new cluster (PgBouncer / HAProxy, replication, WAL). Cut database size by 38% to 800 GB through targeted legacy data cleanup, improving query performance and reducing backup times.
- **Geospatial services:** Deployed and tuned routing and geocoding stack: GraphHopper, Valhalla (multi-territory French OSM data), Addok + Redis. Also set up JupyterHub for internal data science teams.
- **Team leadership:** Lead a cross-functional team of 4 developers, 2 data engineers, 3 apprentices, and 3 interns. Own recruitment end-to-end, from profile design to technical interview and evaluation.
- **Product & AI:** Partner with the PO on roadmap. Led the team's AI-coding adoption strategy and mentored an apprentice through delivery of a production LLM-powered chatbot.

Stack: TypeScript, Node.js, Vue, PostgreSQL/PostGIS, Kubernetes, ArgoCD, Helm, CloudNativePG, Longhorn, Grafana/Loki/Prometheus, Docker, Terraform

Interpay SAL, Lebanon — Solution Architect — Consultant (part-time) Sep 2024 – Sep 2025

Greenfield architect for Mojo, a Lebanese digital wallet (P2P, merchant payments, remittances, bill pay), now live in beta.

- **Architecture:** Defined the full technical stack and roadmap from scratch: modular monolith with a planned microservices path on AWS, with end-to-end encryption, IAM, AML, and fraud detection aligned to Banque du Liban regulatory requirements.
- **Delivery & hiring:** Authored the business continuity plan covering DR, failover, and operational resilience. Led technical hiring, defined profiles, ran interviews, and made recommendations.
- **Stakeholder bridge:** Coordinated with regulators, KYC, payment, and identity providers. Translated product and regulatory requirements into architectural decisions and cost/scope trade-offs.

Stack: C#, .NET Core, React Native, Oracle, AWS, draw.io, PlantUML

Thales DIS, Paris — Senior Software / DevOps Engineer Sep 2023 – Oct 2024

Backend engineer on a credit card management platform delivered as a service to banks and fintech clients. Serverless AWS architecture (Lambda, S3, DynamoDB) handling sensitive payment data under strict regulatory constraints.

- **Feature delivery:** Designed and shipped a batch card issuance capability, replacing the prior one-by-one provisioning flow and enabling clients to issue cards at scale.
- **PCI-DSS compliance:** Owned security documentation for PCI audit posture: authored and maintained the technical artefacts required across the platform's compliance cycle.
- **Quality & testing:** Built and owned the test suite (unit, integration, E2E) on a payment-grade system. Conducted code reviews and maintained CI/CD pipelines (Jenkins).

Stack: Node.js, TypeScript, AWS (Lambda, S3, DynamoDB), MongoDB, Jenkins, PCI-DSS

Eurisko Mobility → Alinma Bank, Riyadh (KSA) — Mobile Tech Lead — Consulting Mission

Nov 2022 – Aug 2023

Tech lead on Alinma Bank's flagship retail super-app, used by millions of customers across Saudi Arabia (payments, transfers, cards, onboarding, loans, loyalty, marketplace). One of several tech leads reporting to the Head of Engineering, owning the frontend across multiple cross-functional squads.

- **Squad leadership:** Led React Native delivery across 3 cross-functional squads (developers, QAs, POs, designers, scrum masters) of mixed nationalities, shipping on a fast-moving product roadmap.
- **Codebase quality turnaround:** Inherited a frontend in poor shape from the outgoing team. Drove recovery through automated unit and integration testing, static analysis, and rigorous code review on Azure DevOps pipelines.
- **Cross-team coordination:** Acted as the frontend's interface to backend, IT, and T24 core-banking teams. Bilingual fluency (English/Arabic) made me an effective bridge with McKinsey and Deloitte digital transformation advisors and executive stakeholders.

Stack: React Native, JavaScript, Azure DevOps, Jenkins, Git, Agile/Scrum

Principal Engineer — Eurisko Mobility, Lebanon Jul 2022 – Oct 2022

- **MBC Group:** Led development of a new talent-acquisition mobile app and contributed to an existing streaming app. Guided backend development on both.
- **Al Qabas Media:** Worked on existing news mobile and web apps, guiding backend development.
- **Internal tooling:** Designed reusable npm packages (UI components, authentication, media management) published to a private registry for cross-project reuse.

Stack: React Native, React, Node.js, Express, MongoDB, AWS (EC2, S3), Elasticsearch

EndSpace, Lebanon / Australia — Project Lead — Full-Stack Engineer Jan 2022 – Jul 2022

- Led the code handover of AHOY Yacht Club from PwC Australia to a Lebanon-based team, then continued as project lead for ongoing development. Managed a team of junior engineers through ramp-up and delivery.

Stack: Angular, Node.js, GraphQL, PostgreSQL, Azure

brCodes, UK / Lebanon — Co-Founder & Technical Lead Sep 2019 – Jul 2022

Co-founded a software studio delivering mobile and web apps for clients across the Middle East and Europe. Owned the full delivery cycle across a team of up to 8, from architecture and PoC through to launch and post-production support.

- **Live products:** Lineupfit (diet subscription app, Kuwait), Sloth (baby e-commerce, Kuwait), Gaido (service-provider marketplace, Jordan), Tlobni (delivery app, Lebanon), ViProg for NeoDent (2D dental implant simulation game used as a professional training tool).
- **IoT R&D:** Built IoT Solutions end-to-end: hardware design, firmware, and web app for monitoring and controlling irrigation systems, on Arduino, Raspberry Pi, LoRa, and MQTT.

Stack: React Native, React, Vue, Node.js, Java, Python, AWS, Firebase, SQL/NoSQL, Unity 3D, Arduino, Raspberry Pi

Multilane, Lebanon / US — Software Engineer Nov 2017 – Aug 2019

- Built control software and APIs for high-speed fibre-optic test boards. Designed the automation testing architecture and worked closely with hardware engineers on signal integrity and board diagnostics.

Stack: C#, C++, XAML, Python, PIC32

SKILLS

Core languagesTypeScript, JavaScript, Node.js, NestJS, Python, Java, C# / .NET Core

FrontendReact, Vue, Next.js, Angular, React Native, HTML/CSS, Tailwind

Backend & APIsREST, GraphQL, microservices, event-driven architecture, RabbitMQ, Kafka

DatabasesPostgreSQL / PostGIS, MongoDB, MySQL, Oracle, Redis, DynamoDB, Aurora, Firestore, Neo4j

CloudAWS (Lambda, EC2, S3, DynamoDB, Aurora, KMS, EventBridge, SNS/SQS) · Azure (DevOps, K8s, App Services) · GCP / Firebase

DevOps & platformKubernetes, Helm, ArgoCD, Docker, Terraform, Jenkins, Git / GitFlow, Grafana / Loki / Prometheus

ArchitectureSystem design, solution architecture, PCI-DSS compliance, CI/CD, testing strategy (unit / integration / E2E)

DeliveryAgile, Scrum, Spotify model, Jira, draw.io, PlantUML

LanguagesFrench (fluent), English (fluent), Arabic (native)

EDUCATION

Master's in Electrical & Electronics Engineering

2017

Lebanese University, Faculty of Engineering — Lebanon

VOLUNTEERING & LEADERSHIP

Mission Leader — Lebanese Red Cross, Emergency Medical Services

2014 – 2022

8 years of operational leadership in a high-pressure volunteer environment. Led emergency medical response missions, coordinated teams under time-critical conditions, and managed crisis decision-making.