

MAHDI ALKAK

Beirut, Lebanon | +961 81 954659 | mahdialkak1@gmail.com | LinkedIn | GitHub

SUMMARY

Full-Stack Software Developer and Computer Science graduate with experience designing and building modern web applications, backend services, and distributed systems. Skilled in developing REST APIs, authentication/RBAC, database-driven applications, computer vision workflows, payment integrations, CI/CD, Docker, and cloud deployment using React, Next.js, TypeScript, Go, Node.js, NestJS, Laravel, PostgreSQL, MySQL, and MongoDB. Passionate about solving real-world engineering problems and building reliable, maintainable software.

EXPERIENCE

Full-Stack Developer – BUBU Company

Remote, Spain | 6 months | BUBU Mobile App

NestJS, Next.js, Firebase, Firestore, Pub/Sub, PostgreSQL

- Worked on BUBU, a childcare mobile application enabling nursery staff and parents to share daily updates, communication, and proactive child-care insights.
- Designed and developed RESTful backend services supporting communication, notifications, and data persistence using NestJS, Firebase, Firestore, PostgreSQL, and Pub/Sub.
- Implemented reusable frontend components with Next.js to deliver reliable staff-to-staff and staff-to-parent communication workflows.
- Collaborated across frontend and backend development to deliver production features, improve maintainability, and enhance the overall user experience.

EDUCATION

B.S. in Computer Science

2021 – 2025

Lebanese University, Faculty of Science

TRAINING

Full-Stack Software Engineering Bootcamp – SE Factory

Nov 2025 – Jan 2026

PROJECTS

Ecommerce Template – Full-Stack Ecommerce Platform

ecommerce-template.shop

Next.js, React, TypeScript, Express, MongoDB, Stripe, Supabase

- Built a full-stack ecommerce platform featuring product catalog management, authentication, RBAC, guest-to-user cart synchronization, server-side search, filtering, and paginated product discovery.
- Implemented secure checkout with Stripe PaymentIntents, JWT authentication with refresh-token rotation, inventory validation, idempotent order processing, and cloud deployment using Vercel, Render, and MongoDB Atlas.

HighlightIQ – Automated Gaming Highlight Platform

React, TypeScript, Go, Python, OpenCV, ffmpeg, MySQL, Docker, N8N, GitHub Actions

- Built a multi-service video-processing platform that analyzes uploaded gameplay videos using ROI-based OpenCV analysis to detect elimination events and automatically generate reviewable highlight clips.
- Implemented authenticated REST APIs, asynchronous processing, ffmpeg-based media generation, and automated publishing workflows using Go, Python, Docker, MySQL, and N8N.

DevTrack – Collaborative Project & Issue Management Platform

Laravel, Inertia.js, React, Tailwind CSS, MySQL

- Built a collaborative workspace platform where owners create communities, organize projects, invite members, and assign issues with role-based access control, scoped visibility, notifications, and project-level permissions.
- Designed RESTful backend services and responsive frontend interfaces to support collaborative task management and secure user workflows.

TECHNICAL SKILLS

- **Languages:** C, Java, JavaScript, TypeScript, PHP, SQL, Go
- **Frontend:** React, Next.js, Inertia.js, Tailwind CSS, HTML/CSS, SSR
- **Backend:** Node.js, NestJS, Laravel, Express, REST APIs, Authentication, RBAC
- **Databases:** PostgreSQL, MySQL, MongoDB, MongoDB Atlas, Firestore
- **Cloud & DevOps:** Docker, Docker Compose, GitHub Actions, Linux, Bash, Vercel, Render
- **Tools:** Git, GitHub, Postman, Axios, Firebase, Pub/Sub, OpenCV, ffmpeg, Stripe, Supabase, N8N, Figma

LANGUAGES

Arabic (Native) • English (Fluent) • Russian (Certified)