

AKIL ISMAIL

FULLSTACK SOFTWARE ENGINEER

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SUMMARY

Full-Stack Software Engineer with hands-on experience building production-grade web, mobile, and functional AI-powered applications. Proficient across the full development lifecycle from React.js, Next.js, and Flutter on the frontend to ASP.NET Core, FastAPI, Laravel, and Node.js on the backend. Experienced in integrating large language models and semantic search pipelines using BERT, Groq AI, and Qdrant vector databases to ship intelligent product features. Currently working as a Data Engineer designing Python pipelines, managing SQL systems, and aligning data infrastructure with backend services. Practiced in TDD, CI/CD with GitHub Actions, Docker, and Agile team environments.

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript, HTML, CSS, Flutter, React Native, Tailwind CSS, Shadcn UI

Backend: ASP.NET Core, FastAPI, Node.js, Laravel, PHP, RESTful APIs

AI / ML: BERT, Sentence Transformers, Groq AI, Vector Embeddings, Qdrant, Semantic Search

Database: MySQL, MSSQL, PostgreSQL, MongoDB, Qdrant (Vector DB)

DevOps: Docker, AWS, GitHub Actions, CI/CD

Testing: Postman, Swagger, PHPUnit, TDD

Languages: C#, TypeScript, JavaScript, Python, Dart, SQL, PHP, Java

Tools & Concepts: Git, Agile/Scrum, OOP, SOLID Principles, Google OAuth, JWT

EXPERIENCE

Data Engineer

Hippo Visor

Sep 2025 – Present

On site

- Designed and maintained Python-based data pipelines for ingestion, transformation, and validation across multiple data sources.
- Automated data conversion and normalization processes to support analytics and backend services.
- Acted as SQL Administrator, managing schema design, query optimization, indexing, and data integrity.
- Collaborated closely with backend engineers to align data models, APIs, and reporting requirements.
- Worked with virtual machines and cloud environments for deployment, monitoring, and pipeline execution.

Software Engineer Bootcamp

SE Factory

June 2025 – Sep 2025

Remote

- Completed intensive 12-week program delivering production-grade applications in team environments.
- Applied software architecture and design patterns in backend and frontend development.
- Developed backend applications using ASP.NET Core and managed databases including MSSQL and MySQL.
- Practiced Test Driven Development (TDD), CI/CD pipelines with GitHub Actions, and Docker.
- Built applications integrating APIs, real-time systems, and mobile frameworks.
- Hands-on with Laravel, ASP.NET, Node.js, React.js, Next.js, Flutter, React Native, Redux, and Jotai.

PROJECTS

FreelanceReach - AI-Powered Freelance Platform

Next.js, FastAPI, Laravel, MySQL, Qdrant, BERT, Groq AI, TypeScript

2026

[FreelanceReach](#)

- Built a full-stack freelance marketplace connecting companies and freelancers with role-based dashboards, contract management, task boards, meeting scheduling, and real-time notifications.
- Engineered a BERT semantic matching engine using Sentence Transformers and Qdrant vector database to rank freelancers against job descriptions by cosine similarity.
- Developed AI proposal generator backed by Groq LLM with proposal caching, scoring, and retrieval via vector search, reducing proposal drafting time significantly.
- Integrated dual AI chatbots (company and freelancer) using Groq API with persistent chat history and context-aware responses built from user profiles and active contracts.
- Architected a three-service backend: Next.js 15 frontend, Laravel 8 REST API for user/contract/task management, and a Python FastAPI AI service exposing matching, proposals, and evaluation endpoints.

ChronoVault - Time Capsule Social Platform

React.js, Laravel, MySQL, JWT, WebSockets

2025

[Client](#) | [Server](#)

- Developed social platform enabling 500+ users to create and schedule 1,200+ digital time capsules.
- Built modular React.js frontend with 15+ reusable components and 95% mobile responsiveness.

- Implemented Laravel backend with 20+ REST endpoints, JWT authentication, and normalized schema.
- Integrated WebSocket notifications with <200ms latency and mood-based filtering.
- Designed secure file upload system supporting 50MB+ files with validation and 99.9% uptime.

Passion Clothes - E-Commerce Platform
React.js, Laravel, Redux Toolkit, MySQL, JWT

2025
[Client](#) | [Server](#)

- Developed scalable e-commerce system managing 500+ products with Redux state management.
- Designed Laravel backend with service-layer architecture, job queues, and webhook integrations.
- Built admin dashboard with inventory management, order lifecycle, and nightly report automation.
- Integrated real-time chat support with Google Gemini API and role-based access control.
- Containerized app with Docker and production-ready Apache setup for deployment.

Haunted Cinema - Movie Booking Platform
HTML, CSS, JavaScript, PHP, MySQL

2025
[Client](#) | [Server](#)

- Built full-stack booking system with real-time seat selection and dynamic pricing for 100+ users.
- Developed interactive vanilla JS frontend with live seat visualization and updates.
- Designed MVC PHP backend with reusable model classes for CRUD operations.
- Implemented authentication with session management and role-based access for admins/users.
- Normalized MySQL schema with optimized queries for ticketing and showtimes.

E-Clinic - Mobile Healthcare Platform
Flutter, PHP, MySQL

2024
[Client](#) | [Server](#)

- Developed cross-platform healthcare app enabling patients to book appointments and consult doctors in real-time.
- Built Flutter frontend with efficient state management for Android, iOS, and web compatibility.
- Architected RESTful API with PHP backend, JWT authentication, and MySQL database integration.
- Integrated Twilio SMS notifications reducing booking response time by 60%.
- Designed secure medical file upload and dynamic appointment scheduling with specialty-based categorization.

EDUCATION

Lebanese International University
M.S. in Computer and Communication Engineering
Lebanese International University
B.S. in Computer and Communication Engineering

Oct 2024 – Jun 2026
Beirut, Lebanon
Jan 2020 – Jun 2024
Beirut, Lebanon

CERTIFICATIONS

FCS Certified – SE Factory Fundamentals of Computer Science Bootcamp (9 weeks of coding, projects, and team-based training)