

Hilal Kanaan

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Education

Beirut Arab University

Bachelor of Computer Science, AI Track (GPA: 3.7/4.0)

Debbieh, Lebanon

Sep 2023 – May 2026

Houssam EL Dine Hariri High School

General Science Baccalaureate

Saida, Lebanon

Graduated 2023

Professional Experience

Full Stack Software Engineer (Freelance / Contract)

Remote

Full Stack Software Engineer

Dec 2025 – Present

- Delivered a production-grade SaaS platform used for large-scale real estate visualization and management.
- Engineered a custom **Google Maps-style tile system**, achieving a **97% reduction** in initial load times and memory overhead.
- Architected a responsive full-stack solution using **Next.js, React, and TypeScript**, featuring a high-performance interactive admin dashboard.
- Optimized rendering performance by implementing **coordinate transformations** and advanced caching strategies.

IDS Fintech

Hazmieh, Lebanon

Aug – Oct 2025

Full Stack Development Intern

- Designed and implemented **SQL Server** databases with optimized query structures, ensuring high data integrity and retrieval efficiency.
- Developed and deployed **Asynchronous REST APIs** to bridge React frontend components with backend services.
- Spearheaded the integration of **AI-powered features** including recommendation engines and automated notification workflows.

Toothpick

Hazmieh, Lebanon

Jul – Sep 2025

QA Engineering Intern

- Executed **end-to-end QA testing** for complex web flows and internal CMS systems, identifying and mitigating critical production-level bugs.
- Collaborated with cross-functional development teams to document and track defects, directly improving system reliability.

Technical Projects

Corsa Smart Car-Assistance | *Python, AI/ML, Real-time Automation*

2025

- Designed an event-driven architecture enabling real-time alerts and AI-assisted decision support for automotive services.

E-Library Ecosystem | *React, ASP.Net, SQL Server, AI Integration*

2025

- Built a full-stack e-library featuring AI recommendations, author-following systems, and complex borrowing workflow management.

Technical Skills

Languages: Java, C++, Python, JavaScript, TypeScript, SQL, C#

Frameworks: React, Next.js, ASP.NET Core, Node.js

Databases & Cloud: SQL Server, Firebase, Prisma, RESTful Architectures

Developer Tools: Git, Docker, Sharp, REST APIs, Distributed Systems, AI/ML Integration (LLMs, Analytics)