

Hilal Kanaan

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Education

Beirut Arab University <i>Bachelor of Computer Science, AI Track (GPA: 3.7/4.0)</i>	Debbieh, Lebanon <i>Sep 2023 – May 2026</i>
Houssam EL Dine Hariri High School <i>General Science Baccalaureate</i>	Saida, Lebanon <i>Graduated 2023</i>

Professional Experience

Full Stack Software Engineer (Freelance / Contract) <i>Full Stack Software Engineer</i>	Remote <i>Dec 2025 – Present</i>
<ul style="list-style-type: none">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 <i>Full Stack Development Intern</i>	Hazmieh, Lebanon <i>Aug – Oct 2025</i>
<ul style="list-style-type: none">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 <i>QA Engineering Intern</i>	Hazmieh, Lebanon <i>Jul – Sep 2025</i>
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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)