Hadi Khawand

hadi_khawand@hotmail.com | (+961) 81 695 830 | Dmit, Lebanon
linkedin.com/in/hadi-khawand | github.com/hadikhawand

SUMMARY

Software Engineer at Technosoft Inc. and final-year Computer Science student (GPA 3.99) with experience in backend engineering, database design, optimization, and engineering software. Skilled in C#, C++, Node.js, Python, SQL, and REST APIs, with hands-on experience building scalable applications and optimization solutions.

WORK EXPERIENCE

Software Engineer (Part-Time) Sep 2026 – Present
Technosoft Inc. – Beirut, Lebanon

- Automate repetitive engineering design and modeling processes using Adaptive Modeling Language (AML)
- Apply object-oriented programming and computational geometry to engineering problems
- Collaborate with engineers to develop software-based modeling and automation solutions

Software Engineering Intern Jun 2026 – Sep 2026
Technosoft Inc. – Beirut, Lebanon

- Developed engineering applications using Adaptive Modeling Language (AML)
- Built parametric and geometry-driven models for engineering workflows

Software Developer Intern Aug 2025 – Sep 2025
Fusion Compliance Technologies

- Built scalable layered applications in C# using EF Core, LINQ, and SQL Server following Clean Architecture
- Developed and maintained RESTful ASP.NET Web APIs with strong validation to ensure reliability and data integrity
- Gained hands-on experience in database design, reporting, and professional code documentation

Full-Stack Developer & Optimization Intern Jun 2025 – Sep 2025
The UCTP Project

- Designed a 14+ table PostgreSQL database for faculty workload and course scheduling
- Developed a MiniZinc optimization engine for generating conflict-free academic timetables
- Built a full-stack scheduling platform using Node.js, Express.js, EJS, and PostgreSQL
- Implemented scheduling constraints for faculty workloads, room availability, and course assignments

PROJECTS

Yalla | Flutter, Bloc, FastAPI, Supabase (PostgreSQL/PostGIS) | Senior Study, CSC 490 In progress

- Two-person team building a mobile app that maps nearby places and helps friend groups agree on a time to meet
- Built the Friends features end to end: requests, find people, friend groups, and "who's free" views, backed by FastAPI endpoints and Row Level Security on Postgres tables
- Built map search (search as you type, place details), user-submitted missing places, a time-voting screen for plans, and forgot/change password
- Review teammate's pull requests under protected branches; CI runs analysis, unit tests, and database security-policy tests on every PR
- Planned AI layer: fine-tuned Qwen3-0.6B intent parser, LightGBM activity ranker, and a calibrated attendance model

DeliveryApp | Node.js, MySQL, JavaScript

- Built a multi-role food delivery application supporting customers, restaurant managers, and couriers
- Implemented authentication, role-based access, order management, and delivery workflows
- Designed a layered backend with custom routing, controllers, models, repositories, and database connection pooling

EDUCATION

Bachelor of Science in Computer Science 2023 – Present
Notre Dame University – Louaize | GPA 3.99 | Expected graduation: Fall 2026

SKILLS

Programming: C++, C#, Python, JavaScript, Dart, SQL
Backend & Web: Node.js, Express.js, FastAPI, ASP.NET, REST APIs, React.js, EJS
Databases: PostgreSQL/PostGIS, SQL Server, MySQL, Supabase (Row Level Security)
Frameworks & Libraries: .NET, EF Core, LINQ, Flutter, Bloc
Optimization & Modeling: MiniZinc, AML, Data Modeling, Computational Geometry
Tools: Git, GitHub Actions (CI), Jira, Visual Studio, VS Code
Spoken Languages: Arabic (native), English (proficient), French (proficient)