

Michael Salloum

Fullstack Web & Systems Software Engineer

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SKILLS

TypeScript/JavaScript | Node.js | Rust | C++ | C# | Python | HTML/SCSS | XAML | Luau | Next.js | Angular | Astro | Tailwind | Electron | Express.js/Nest | Axum | WPF | Docker | Git/Github | Code Design | Linux | REST/gRPC | Concurrency | Computer Architecture | System Design | Operating Systems

WORK EXPERIENCE

PCandParts

Jun 2024 - Sep 2024

Fulltime Technician & Software Developer

- Developed internal business software that automate and streamline daily workflows with TypeScript, Electron & React.
- Handled hardware/software troubleshooting and IT support for computer systems.

MultiLane

Jun 2025 - Sep 2025

Software Developer, Intern

- Designed software based on C#/WPF for the frontend, and C++ for the backend, bridging them together with C++/CLR applying MVVM, MVC and SOLID design patterns.
- Worked with Angular/Azure/Python to develop an internal business solution as a web platform.

PROJECTS

AniPlus

September 2024

- Content streaming web platform for foreign media, built with Next.js, TailwindCSS, and DaisyUI.
- Deployed on Coolify with CI/CD and version control via Github.

AlgorithmicPlus

June 2025

- Open-Source Rust & TypeScript framework for developing and optimizing algorithmic financial models, with concurrency and parallelism, and standard library of math functions & optimization algorithms.
- Tauri-based TypeScript GUI with powerful charting tightly integrated with the backend.

FischerLabs

April 2023

- Automated video generation platform that attracted 300,000 monthly viewers when deployed.
- Built with Remotion/Next.js/Node.js, Google Cloud, AWS Lambda, and AI-based content generation.

Sharper

July 2025

- Interpreted programming language built with C++ supporting variables, functions, loops, classes, operators, and a standard library.

HenimiyaOS

December 2025

- A primitive Operating System that runs on QEMU.
- A chess engine and desktop app in C#/WPF, with full move validation, legal move highlighting, and per-piece logic.

ACHIEVEMENTS

- **1st Place:** USJ Computer Science Rally Paper.
- **3rd Place:** AUST Cybersecurity competition.

Languages

- **English:** Fluent.
- **French:** Intermediate.
- **Arabic:** Native.