

MOHAMMAD ROSTOM

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SUMMARY

Software engineer experienced in building full-stack and AI-powered systems, including RAG-based solutions and workflow automation platforms. Adaptable and fast learner with a strong focus on clean, scalable architecture and shipping production-ready features in collaborative environments. Enjoys designing end-to-end solutions and solving real-world problems.

SKILLS

JavaScript / TypeScript	React (Vite), reusable UI components, responsive design
Frontend Tools	Tailwind CSS
Backend	.NET Core (C#), Laravel , NodeJs , RESTful APIs , GraphQL
AI / ML	RAG-based systems, AI API integrations, vector databases, AI agents
Workflow / Automation	n8n, workflow automation design
DevOps	Docker, containerized development , AWS
Collaboration	Git / GitHub workflows, Agile practices, CI/CD

EXPERIENCE

- Software Engineering Intern — CodVeda** Aug 2025 – Sep 2025
- Contributed to development of CodVeda's internal Worksphere platform as part of a cross-functional engineering team.
 - Built and refined frontend features using React (Vite) and Tailwind CSS with a focus on reusable components and responsive layouts.
 - Implemented and integrated RESTful APIs using .NET Core to support end-to-end feature delivery.
 - Participated in Agile ceremonies: stand-ups, code reviews, and sprint planning.

Software Engineering Trainee — FSE Factory (Intensive 3-Month Bootcamp)

- Completed a project-driven bootcamp focused on building production-quality applications and collaboration workflows.
- Delivered multiple end-to-end projects emphasizing clean, maintainable architecture and scalable design.
 - Designed and integrated AI-powered solutions including RAG systems, AI agent integrations, and workflow automation with n8n.
 - Used Docker for containerized development and followed advanced Git/GitHub workflows for version control and collaboration.
 - Collaborated with engineers and a UI/UX designers in team projects and a hackathon setting.

PROJECTS

FlowPilot-AI-Powered n8n Workflow Generator

- Built an application that generates complete n8n workflows from natural-language prompts using a RAG/ML-based AI pipeline.
- Designed and implemented three microservices that analyze the n8n codebase to automatically extract node schemas using TypeScript AST parsing, then index them in a vector database to create a structured, high-quality dataset for AI processing.
- Developed an AI-powered system that generates custom n8n nodes from natural language requirements, using a LangChain-based agent to produce production-ready and testable workflow components.

EDUCATION

Bachelor's Degree in Computer Science — Lebanese University
GPA: 3.3 / 4.0

2022 – 2025