

RAMZI EL RICH

Frontend Software Engineer | React · Next.js · TypeScript | .NET / C# | AI Integration
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PROFESSIONAL SUMMARY

Frontend-focused Software Engineer with 2+ years building production-grade web applications in React, Next.js, and TypeScript, with full-stack experience across .NET/C# and Node.js. Currently engineering data-intensive dashboards at an AI-driven data platform, turning complex data pipelines into performant UIs. Hands-on integrating OpenAI and Anthropic Claude APIs, LLMs, and prompt engineering into real products. Skilled in Docker, AWS and GCP cloud deployment, and CI/CD pipelines. Passionate about clean architecture, component reusability, and shipping scalable features in agile teams.

PROFESSIONAL EXPERIENCE

Frontend Software Engineer — Starlake.ai

May 2024 – Present · Remote

Tech: Next.js, React, TypeScript, Material UI, REST APIs, Docker, AWS, GCP, CI/CD

- Built and maintained the frontend of an AI-powered ETL/ELT and data orchestration platform — data-intensive dashboards and pipeline visualization UIs for BigQuery, Snowflake, Redshift, and Spark workflows.
- Contributed to a type-safe, reusable component library used across multiple product surfaces, reducing feature-delivery time and maintaining a consistent design system.
- Optimized rendering of large datasets (tables, DAGs, lineage graphs) via list virtualization, lazy loading, memoization, and code splitting, significantly improving load times and responsiveness.
- Integrated AI-assisted features including schema inference, query assistance, and LLM-powered helpers; used Claude Code, Copilot, and Cursor to accelerate development.
- Containerized the app with Docker and deployed to GCP with CI/CD pipelines; upheld code quality through code reviews, unit tests, and TypeScript strictness in a fully agile environment.

.NET / C# Developer (Internship) — Soft Impact

Feb 2024 – Apr 2024 · Beirut, Lebanon

Tech: C#, .NET, ASP.NET, SQL Server, Entity Framework, Docker

- Developed backend features, REST endpoints, and internal tooling for enterprise-grade software using C#, .NET, and ASP.NET in a clean layered architecture.
- Implemented CRUD and data-access logic against SQL Server with Entity Framework; applied dependency injection, async/await, SOLID principles, and containerized services with Docker.

KEY PROJECTS

OrchestAI — Multi-agent AI Workflow Orchestrator

May 2026 · github.com/ramzirich/orchestAi

Tech: C#, ASP.NET Core 8, SignalR, Next.js, React, TypeScript, Tailwind, React Flow, Docker, AWS (EC2, RDS), Anthropic Claude API

- Built a full-stack platform chaining specialized AI agents (Researcher → Writer → Critic → Summarizer) into reusable pipelines with real-time token streaming over SignalR.
- Designed a pluggable agent architecture with declarative JSON-defined workflows; multi-stage Docker builds deployed to AWS EC2/RDS for persistent run history, with a drag-and-drop visual builder in Next.js + React Flow.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript (ES6+), React Native, Redux, React Query, Material UI, SSR/SSG, Responsive Design, Accessibility (a11y)

Backend & Languages: C#, .NET / .NET Core, ASP.NET Core 8, SignalR, Node.js, REST APIs, JWT, SQL Server, MySQL (familiar: PHP/Laravel, Java)

AI & LLMs: OpenAI API (GPT), Anthropic Claude API, Prompt Engineering, LLM Integration, AI Feature Design, AI-Assisted Dev (Claude Code, Copilot, Cursor)

DevOps & Cloud: Docker, Docker Compose, AWS (EC2, RDS), GCP, CI/CD, Git / GitHub, Unit Testing, Figma

Languages: Arabic (Native) · English (Fluent) · French (Fluent)

EDUCATION

Full Stack Web Development Bootcamp — SE Factory

Oct 2023 – Feb 2024

B.Sc. in Mechanical Engineering — Beirut Arab University

2014 – 2020