

RABIH JABR

Full-Stack Software Engineer

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SUMMARY

Full-stack software engineer with 5+ years shipping production software end to end: frontend, backend, database, and the infrastructure it runs on. Builds with TypeScript, React, Next.js, Java, and PostgreSQL, and has independently designed, built, and delivered two complete products as a solo developer. Uses AI aggressively and builds with it: shipped a production RAG platform over an internal wiki that cut inference cost by making locally hosted models viable, and runs Claude Code and GitHub Copilot as daily drivers to ship faster, own more surface area alone, and get productive on unfamiliar stacks in weeks instead of months. Writes clear technical documentation in English, including agent-readable project context that lets AI tools work correctly in a codebase, and works effectively remote and async.

PROFESSIONAL EXPERIENCE

Platform Engineer

Jun 2026 - Present

Klopotek | Remote

- Build and maintain internal web applications and monitoring tools (Angular, Java/Spring Boot, PostgreSQL) used to operate and observe Klopotek's product suite across every client environment.
- In my first month, I designed and shipped an automated monitoring service for UC4 scheduled jobs running across nearly all Klopotek products, integrated with Jira to raise and track failures automatically. This replaced manual job watching and reduced wasted compute from redundant and over-scheduled jobs.
- Responsible of Klopotek Deployment Manager (KDM), the tool that deploys and configures 50+ applications for client tenants across Azure, private cloud, and on-premise environments.
- Use Claude Code and GitHub Copilot aggressively in daily work. Went from zero prior Ansible and Linux server administration experience to independently owning production deployment tooling within weeks, and use AI agents to ship internal tooling substantially faster.
- Write and maintain the technical documentation for the deployment and monitoring tooling: runbooks, configuration guides, and onboarding material. I use Claude Code to keep it accurate and in sync as the tooling evolves.

Senior Software Engineer | Scrum Master

Jun 2021 - May 2026

Murex | Beirut, Lebanon

- Built a documentation RAG platform in Python over the internal Confluence wiki, letting engineering teams query their own documentation and the source code it describes; a scheduled weekly index refresh rather than live indexing is what keeps queries fast and inference cost low.
- Designed its page-scoring stage, ranking every page before indexing on concept relevance, wiki maintenance quality, deprecation status, and linkage to real source code (Perforce and Bitbucket), so stale documentation never dilutes retrieval; benchmarked hosted APIs against locally hosted Llama models and cut AI inference cost by making local models a viable option.
- Owned the design and production rollout of a global performance-metrics logging feature used by 3 major enterprise clients, from infrastructure design through deployment.
- Built internal web tooling used by ~50 QAs and product managers to automate version-compatibility checks, release-note generation, and documentation validation across releases.
- Built and maintained end-to-end automated test suites across multiple MX.3 modules, increasing automated coverage and cutting regression incidents to under 1%.
- Managed Jenkins CI/CD pipelines for multiple services and introduced improvements that shortened the development cycle by 30%.
- Served as Scrum Master for the team; mentored and onboarded 9 new engineers and authored the onboarding documentation they still use.

Software Development Intern

May 2020 - Jul 2020

Netways | Beirut, Lebanon

- Built reusable UI components and a cross-platform web application for an educational client, cutting frontend implementation time by ~30%.

PROJECTS

JoyDayz | Full-Stack Event Discovery Platform (Solo) | joydayz-dev.kataflow.ch Dec 2025 - Present

Next.js 16, React 19 (Server Components), TypeScript, Spring Boot, PostgreSQL, JPA, JWT

- Designing and building an event discovery platform end-to-end as a solo developer: Next.js App Router frontend, Spring Boot REST backend, PostgreSQL data layer, and JWT authentication.
- Implemented an interactive infinite-scroll feed with CDN-backed image optimization, a calendar and bookmarking system, and public-URL sharing built to drive organic growth.
- Built with heavy AI assistance (Claude Code), which is what makes a one-person team viable across the full stack, from schema design to production frontend.

Factory Management System | Offline Desktop Application (Freelance, Solo) Mar 2026 - Present

Electron, React 19, TypeScript, SQLite, Tailwind CSS

- Designed, built, and delivered a production desktop application single-handedly for a real manufacturing client, covering customer intake, production yield calculation, invoicing, inventory, and financial reporting on a local SQLite database.
- Built machine-bound license verification (HMAC) and an automated backup pipeline to prevent unauthorized copying and data loss in a fully offline, single-operator environment.
- Delivered a bilingual interface (Arabic RTL / English LTR) with custom HTML-to-PDF printing for invoices and financial reports.
- Built end-to-end with AI coding agents, taking the product from client requirements to a shipped Windows installer as the only developer on it.
- Maintain the codebase's documentation as a structured, agent-readable knowledge base covering domain rules, schema invariants, and known pitfalls, so AI agents make correct changes without re-deriving the business logic each session.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, Python, SQL, Bash

Frontend: React, Next.js (App Router), React Server Components, Angular, Tailwind CSS, Radix UI, HTML/CSS

Backend: Node.js, Spring Boot, REST APIs, GraphQL, JPA, JWT Authentication

Databases: PostgreSQL, MySQL, MongoDB, SQLite

Cloud & Infrastructure: Azure, Private Cloud & On-Premise Deployment, Docker, Linux, Ansible, Jenkins, CI/CD, GitHub Actions

AI Engineering: RAG pipelines, embeddings & vector search, locally hosted open-weight models (Llama), model benchmarking & cost optimization

AI-Assisted Development: Claude Code, GitHub Copilot, AI coding agents, agent-driven development workflows

Ways of Working: Remote & async collaboration, Technical Writing & Documentation, Agile/Scrum, Jira, Slack, Git, End-to-End Testing

EDUCATION

B.S. in Computer Science, Lebanese American University, Beirut, Lebanon

2021