

KRISHNAKUMAR RAJIKSHAN

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🌐 [LinkedIn](#) 🏠 [GitHub](#) 🌐 [Portfolio](#)

Summary

Full-Stack Developer with hands-on experience building LLM pipelines, RESTful APIs, and cloud-native web applications. Proficient in TypeScript, JavaScript, and Python, with practical experience shipping production systems using LangChain, Pinecone, Docker, and CI/CD tooling.

Work Experience

SPM Batticaloa

Jan 2024 – June 2026

Trainee Full-Stack AI Engineer

- Built and delivered 4 full-stack web applications using the **MERN** stack and **Next.js**, covering RESTful API design, database integration, and responsive front-end development.
- Developed 3 **LangChain**-based LLM APIs integrated with **Pinecone** and **PGVector** for semantic search, handling 1,200+ daily requests with stable uptime.
- Configured **CI/CD** pipelines using **GitHub Actions** and **Docker**, enabling reliable automated deployments across staging and production environments.
- Refactored Python backend services using query optimisation and caching, reducing average API response latency by approximately 40%.

Education

Sri Lanka Technological Campus

2022 – 2026

BSc (Hons) in Software Engineering

GPA: 3.60 / 4.00

Projects

OpenGraph Creator – AI Agent OG Image Toolkit | [npm](#) | [Source Code](#)

- Architected and published a **TypeScript** monorepo to **npm** comprising 4 packages: CLI runtime, **React**/Vite Studio editor, custom `.ogdoc` document schema, and SVG-to-raster render pipeline supporting PNG, WebP, and JPEG export.
- Built an AI agent integration layer for Codex, Claude Code, and OpenCode; agents inspect repos, generate layered `.ogdoc` documents, and resume via a durable local session protocol after user edits in Studio. Covered with **Vitest** unit and integration tests.

Gizume – GitHub Resume Automation Platform | [Live Site](#)

- Built an automated resume-generation pipeline with **Next.js** and the **GitHub GraphQL API**, dynamically fetching and structuring user profile data; on-the-fly PDF export via Puppeteer completes in under 10 seconds.
- Containerised with **Docker** and deployed on a **VPS** with zero-downtime updates and automated **Git**-based deployment triggers.

Hive Hub – AI-Powered Job Portal | [Live](#) | [Source Code](#)

- Developed an AI job recommendation system using **LangChain**, **Prisma**, and **Pinecone** vector search; integrated **Google Gemini** embeddings for semantic job-candidate matching.
- Backed by **PostgreSQL** with **pgvector** for efficient embedding storage and fast similarity queries at scale.

Technical Skills

Languages: TypeScript, JavaScript, Rust, Python, Java

Backend: Node.js, Express.js, FastAPI, Spring Boot, LangChain, CrewAI, RESTful APIs

Frontend: React, Next.js, Vite, TailwindCSS, HTML, CSS

Databases: PostgreSQL, MongoDB, Pinecone, PGVector

DevOps & Tools: Docker, GitHub Actions, Git, npm, Linux, Cloudflare Workers, Postman, VS Code