

PRATYUSH RASTOGI

+91-7905006474 | rastogipratyush630@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Summary

Full-stack software engineer with production experience across a startup, freelance clients, and open-source. Builds end-to-end web applications using Java Spring Boot, React, and Next.js — from database design to deployment. Experienced in AI-directed engineering workflows; creator of **Backstop**, an open-source AI agent safety gateway for PostgreSQL conceived, architected, and shipped using agentic AI development.

Technical Skills

Languages: Java, TypeScript, JavaScript, SQL

Frameworks & Libraries: Spring Boot, React, Next.js, Node.js, REST APIs, GraphQL

Databases & Infrastructure: PostgreSQL, MySQL, MongoDB, Docker, AWS, CI/CD Pipelines

AI & Tooling: AI-Directed Engineering, Agentic Development Workflows, MCP (Model Context Protocol), LLM Integration, n8n Automation, Git, Linux

Professional Experience

Software Engineer I

Feb 2026 – Apr 2026

Wednesday Solutions · On-Site

- Built and shipped **Melodix** (melodix-sigma.vercel.app), a music discovery platform with fluid playlist UI, and a real-time **Sentiment Analyzer** that classifies text as positive, negative, or neutral using NLP inference — both delivered to production on Vercel
- Took full ownership of frontend architecture: designed the component structure, managed application state, and configured Vercel deployment pipelines within weekly agile sprints

Full-Stack Developer

Oct 2025 – Dec 2025

Freelance · Remote

- Independently designed, built, and deployed **rssposting.com** — a live production platform that reads RSS feeds and automatically schedules posts to Facebook and Instagram on behalf of the client
- Built the entire stack solo: React.js frontend, Spring Boot REST API, MySQL database, JWT authentication, and a CI/CD pipeline for zero-downtime deployments; under long-term support contract at 99.9% uptime SLA

Automation Engineer

Jun 2025 – Jul 2025

Freelance · Remote

- Designed a complete service monitoring workflow using n8n that eliminated 100% of manual health checks — the system monitors and reports itself without any human intervention
- Wrote a Bash script that detects 5 service restarts within a 5-minute window and fires a real-time Slack alert via OAuth API, giving the client instant awareness with zero external tool dependencies

Featured Projects

Backstop | *PostgreSQL, MCP, Docker, MinIO/S3* | [Live](#) | [GitHub](#) | *On Peerlist & Product Hunt*

2026

- Conceived and architected** an open-source AI agent safety gateway for PostgreSQL: designed the full system — gateway interception layer, AST-based SQL risk classification (SAFE to IMPACT.CRITICAL), human-in-the-loop approval workflow, automated table snapshots, and one-command recovery CLI
- Made all core architectural decisions: why AST parsing over regex, why snapshot before approval on CRITICAL queries, why MCP protocol for AI tool integration, and why local-first with S3-compatible storage; implemented via **AI-directed agentic development** (Claude, Codex)
- Published `@backstop/mcp-server` and `@backstop/client` to npm; compatible with Claude Code, Cursor, and Windsurf; launched on Peerlist and Product Hunt

RSS Posting Platform | *React.js, Spring Boot, MySQL, JWT, Docker* | rssposting.com

2025

- Full-stack production platform for automated social media management: reads RSS feeds and posts content to Facebook and Instagram, with an admin approval layer before anything goes live
- Built JWT-secured role-based access, CI/CD pipeline for zero-downtime deployments, and a content scheduling system; currently serving live client operations

Not Just ToDo — AI Project Generator | *React.js, Spring Boot, MySQL, OpenAI API*

2025

- AI-powered tool that generates personalized coding project ideas based on a student's skill level and target difficulty — solving the problem of developers getting stuck repeating basic beginner tutorials
- Used prompt engineering with the OpenAI API to produce structured recommendations; built JWT authentication and project history so users can track their own learning progression

Education

Graphic Era Deemed to be University

Dehradun, Uttarakhand

Bachelor of Science in Information Technology · CGPA: 7.64/10.0

2022 – 2025

Sant Pathik Vidyalaya

Bahraich, Uttar Pradesh

CBSE Class XII · 64.4%

2021 – 2022

Certifications & Learning

Completed: Data Science (Great Learning) **In Progress:** Oracle Java Certification **Studying:** Microservices Architecture, Advanced Spring Boot