

AYUS DAS

Backend Software Engineer | Java & Spring Boot | AI-First & Agentic AI Development

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SUMMARY

Backend Software Engineer with 4+ years building scalable, production-grade services using Java (Spring Boot), microservices, and cloud-native tooling on AWS. Experienced across the full SDLC — API design, CI/CD, security scanning, and BI/reporting pipelines — in fully remote, distributed teams. Actively building expertise in AI-first and agentic development, including a self-built multi-agent coding assistant using LangGraph and LangChain, and looking to bring that combination of solid backend engineering and applied AI to product teams building the next generation of intelligent systems.

TECHNICAL SKILLS

Languages & Frameworks: Java (Spring Boot), Node.js, Express, Python, React, Next.js

AI / Agentic Development: LangGraph, LangChain, Groq, multi-agent system design, LLM-powered automation, prompt engineering

Databases: SQL (Snowflake, MySQL), MongoDB

Cloud & DevOps: AWS (S3, Lambda, SQS, API Gateway), GitLab CI/CD, Terraform, Snyk

Data & BI: Looker (LookML, SQL)

Practices: SOLID principles, Microservices architecture, Test-Driven Development, Remote/Async Collaboration

EXPERIENCE

Software Engineer | Tradeprint (Remote, Cimpres Subsidiary)

Apr 2023 – Apr 2026

- Refactored a legacy customer service system into SOLID-compliant microservices using Java (Spring Boot), improving maintainability and enabling faster feature delivery.
- Led product migration from Magnolia CMS to Contentful, including real-time sync via Cockpit webhooks, reducing product update cycle from hours to minutes.
- Indexed Contentful pages in Algolia, enabling faster and more accurate content search for end-users.
- Integrated Snyk vulnerability scans and unit test checks into the GitLab CI/CD pipeline, strengthening release quality and security posture.
- Owned the BI reporting pipeline in Looker, writing SQL and LookML queries, enforcing coding standards, and implementing dashboard auditing tools for reliable insights.
- Collaborated asynchronously with distributed teams across Cimpres, ensuring smooth delivery in a fully remote environment.

Software Engineer | Omniway Technologies Pvt. Ltd. (Remote)

Jan 2022 – Dec 2022

- Built two shopping chatbots with webhook-based integration, handling real-time user interactions.
- Designed backend authentication and MongoDB schemas for chatbot and marketing site.
- Developed the first version of the company's marketing website (Next.js, React), enabling faster customer onboarding.
- Delivered features independently in a remote setup, collaborating across teams via async tools (Slack, Jira, GitHub).

Software Engineer Intern | Springrole Pvt. Ltd. (Remote)

May 2021 – Jan 2022

- Integrated the Gmail API for automated email messaging in an employment verification tool, streamlining workflows.
- Resolved bugs in AWS S3 file upload, improving system reliability.
- Increased test coverage to 95% by writing unit test cases with Mocha & Chai.
- Collaborated with senior engineers remotely, contributing to backend (Node.js), frontend (React), and database (MongoDB, MySQL) modules.

PROJECTS

AI Coder — Multi-Agent AI Coding Assistant (LangGraph, LangChain, Groq, Python)

github.com/ayusdas17/ai-coder

- Built a multi-agent AI coding assistant that converts natural language prompts into working applications through automated planning, architecture design, and code generation.
- Orchestrated specialized agents with LangGraph and LangChain, using Groq for low-latency LLM inference across the agent pipeline.
- Designed the agent workflow end-to-end — planning, task decomposition, and code generation — as a self-directed exploration into agentic AI systems and applied LLM engineering.

Customer Service Management (Java, Spring Boot — Tradeprint, proprietary/internal codebase)

- Built REST endpoints consumed by the frontend for core customer service operations, integrating with commercetools APIs for backend data management.
- Applied SOLID design principles and Java design patterns for a maintainable, extensible codebase. (Tradeprint / Cimpres)

EDUCATION

B.E., Computer Science (AI & ML) — Chandigarh University

2018 – 2022 | CGPA: 7.56/10