
Vicky Ajmera

Tech Lead & AI First Sr. Java Developer

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Professional Summary

Innovative Technical Lead with 10 years of enterprise software development experience, specializing in Java, Spring Boot, and multi-service architectures. Transitioned traditional engineering workflows into high-velocity, AI-first development environments. Proven expertise in leveraging autonomous AI agents (Google Antigravity), Model Context Protocol (MCP), and RAG pipelines (Dify) to accelerate full-stack delivery by 60-70%. Highly adept at designing highly scalable SDKs, architecting distributed systems, and ensuring the structural integrity and security of AI-generated code.

Core Competencies

AI-Native Development: Google Antigravity, Model Context Protocol (MCP), Spring AI, Dify (RAG Pipelines), Cursor, AI-assisted architecture design

Backend & Frameworks: Java 17, Spring Boot (up to 4.0.3), Spring Framework, Hibernate, JPA, REST APIs, MySQL and MS SQL databases, Liquibase, Flyway

Architecture & DevOps: Multi-Service Architecture, Maven/Gradle based builds and releases, Jenkins (CI/CD Pipelines), SDK Design.

Frontend Technologies: Angular (JS through v14), Web UI Integration.

Experience

[OpsHub Technologies](#), Ahmedabad, India - Technical Lead

Dec 2020 - PRESENT

- **Connector SDK & Multi-Service Architecture:** Architected and developed a robust Connector SDK (entirely new core for OpsHub Integration Product) to facilitate the integration and migration of new tools via the OpsHub OIM platform. Brought down connector development time **from 6-8 months to just one month**. Redesigned the OIM Core engine architecture to support external connectors, enabling secure,

legal-compliant code execution at customer sites—overcoming a previously impossible technical constraint.

- **First-of-its-Kind MBSE Integration:** Architected and developed a pioneering MBSE Connector SDK framework, enabling fully automated background-job-based integration for complex tools like Cameo via REST APIs. Replaced industry-standard manual plugin-based processes and successfully navigated severe legal constraints by engineering an external MBSE REST layer and a custom commit-based poller.
- **Enterprise-Scale Modernization:** Spearheaded an organization-wide cultural and technical shift by institutionalizing Spring Boot across the engineering department. Migrated the entire enterprise from Eclipse to IntelliJ, replaced fragmented DB tools with a universal DBeaver implementation, and pioneered the transition to Microsoft OneNote for centralized, searchable knowledge management.
- **System Reliability & Security (RBAC):** Led the full-stack implementation of Role-Based Access Control (RBAC) from design to production. Identified and resolved hundreds of legacy bugs through rigorous negative-scenario testing, overhauling every UI element and backend REST/GraphQL API.
- **Product Architecture & Leadership:** Designed the automation framework for OpsHub Insights, which successfully emerged as the independent startup CleverDev, continuing to serve as a primary technical consultant. Directed the end-to-end technical architecture for OpsHub Archival Manager, overseeing the complete lifecycle from initial design to packaging, release, and production deployment.
- **Log Traceability Automation:** Designed and developed a solution for end-to-end log traceability across services during a company hackathon. Centralized logging across 15+ automation servers and 15-20 parallelly executing automated tests in ELK. Reduced average daily developer debugging time from **20-25 minutes to a single click** via direct Azure DevOps integration.
- **AI-Driven Engineering (MCP & RAG):** Pioneered the adoption of Model Context Protocol (MCP) within the team, developing MCP servers as a next-generation alternative to standard REST APIs. Designed and built an internal AI pipeline using Dify (RAG) over company documentation, and integrated AI workflows to handle 60-70% of code generation, acting as the primary human-in-the-loop for architectural validation and security compliance

Ishi Systems, Ahmedabad, India - Programmer Analyst

Dec 2015 - Dec 2020

- **Digital Millennium Copyright Act (DMCA) System:** Developed a fully automated compliance system for US telecom operators that monitors copyright violations, issues subscriber alerts for illegal downloads, and dynamically restricts internet access for repeat offenders.

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- **Request Management System (RMS):** Engineered a secure, highly regulated workflow for telecom operators to process and manage legally authorized data retrieval requests for subscribers.
 - **Legacy Modernization & Upgrades:** Spearheaded critical architectural upgrades to modernize the technology stack, successfully migrating core backend microservices from Spring Boot 1.x to 2.x and transitioning legacy frontend UI modules from AngularJS to Angular 10.
 - **Technical Leadership & Community Advocacy:** Established technical authority and fostered engineering best practices by presenting on advanced database versioning (Liquibase) and Spring Boot 2 implementation patterns at regional Java Meetups.

Key AI & Independent Projects

[Mandap Billing System](#) (Live Production Application) | Google Antigravity, *Java, Full-Stack*

- Deployed a complete, production-ready billing and management software system for a live rental business.
- Utilized Google Antigravity agents to autonomously generate the database schema, backend architecture, and UI, acting as the primary system architect to validate logic, oversee production rollouts, and execute change requests (CRs).

Advanced AI Integrations ([Spring AI](#) & [Spring AI MCP Server](#)) | *Java, Spring Boot 3.5.x*

- Developed custom implementations utilizing the latest Spring AI framework to integrate generative AI capabilities directly into enterprise Java environments.
- Built a Spring AI MCP Server, demonstrating early-adopter proficiency in exposing Java-based business logic to large language models via the Model Context Protocol.

[AtlasHive](#) (Cybersecurity Platform) | *Full-Stack* | [AtlasHive - Enterprise-Grade Cybersecurity](#)

- Architected and deployed a web application focused on cybersecurity solutions, utilizing modern deployment workflows (GitHub Pages, Vercel) and custom domain mapping from Go Daddy.

Education

Nirma University, Ahmedabad, India - *B.Tech. (CSE - 8.78 CPI)*

June 2012 - May 2016

- Also, worked as technical head at Computer Society of India (CSI)
- Organized and lead various tech events at the university

Swaminarayan Gurukul, Bhavnagar, India - *HSC (90% overall, 94% PCM)*

June 2010 - April 2012

Awards

- Gyan Guru Award - OpsHub
- Runner up in Carrom Championship - OpsHub
- Runner up at Hackathon - OpsHub