

SARAVANAN NAGARAJAN

Module Lead · Java Backend Developer · AI / GenAI Engineer

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PROFILE SUMMARY

- Java Backend Developer and Module Lead with 11+ years of experience in designing and building scalable, high-performance applications using Java, Spring Boot, Microservices, and Hibernate.
- Strong expertise in distributed systems, RESTful API development, cloud-native architectures, and CI/CD pipelines using Jenkins, Docker, and Kubernetes.
- Hands-on experience with MySQL, Oracle, and PostgreSQL along with deep understanding of performance tuning and data modelling.
- Skilled in modern AI/GenAI technologies including LLMs, LangChain, LangGraph, CrewAI, RAG pipelines, and building AI-driven applications with OpenAI and Streamlit.
- Actively upskilling in Applied AI and Agentic Engineering through a structured, hands-on roadmap covering multi-agent systems, RAG, evaluation, guardrails and LLMops.
- Proven ability to deliver end-to-end solutions, collaborate in Agile teams, and drive innovation across backend services and AI-powered platforms.

TECHNICAL SKILLS

Java Technologies	Java, JDBC, Swing
Frameworks	Spring (Core, Data, MVC, Batch, Boot, Cloud), Hibernate
Scripting/Markup	Angular, HTML5, CSS3, JavaScript, jQuery, Ajax, XML/XSLT
Architecture	Monolithic & Microservice
Servers & DB	JBoss, Tomcat, WebSphere Oracle 10g, MySQL, PostgreSQL
Build & Dev Tools	Ant, Maven, Gradle, Jenkins Eclipse, VS Code, IntelliJ IDEA
Version Control	Git, GitHub, SVN, CVS
Patterns & Methods	MVC, Singleton, Factory Agile/Scrum, Waterfall, TDD
Web Services	SOAP, REST
DevOps & Cloud	Kubernetes, Docker, PCF, RabbitMQ, Grafana, Splunk
Collaboration	JIRA, Confluence, Slack, Pivotal, Bugzilla

AI / GENAI TECH STACK

LLMs & Frameworks	OpenAI GPT models, Llama Models, LangChain, LangGraph, CrewAI
AI Agent Frameworks	Agentic AI design, RAG-based Agents, Tool-using Agents, Workflow-driven Agents
RAG	VectorDB integration, document loaders, embeddings, retrievers
Generative AI Tools	ChatGPT, OpenAI Assistants, Embedding Models, Prompt Engineering, Prompt Versioning
Python Ecosystem	FastAPI, Streamlit for AI application UIs
AI Pipelines	Knowledge bases, prompt chains, multi-agent orchestration
Data & Vector Stores	ChromaDB, FAISS, Pinecone (conceptual knowledge)
Automation	LangSmith, LangServe (for productionizing AI apps)
AI-Assisted Development	Claude Code, React 18, Vite, TypeScript, Tailwind CSS
AI Governance	Excel Automation & Data Validation, AI Decision Support Systems, Human-in-the-loop

CURRENT AI FOCUS

Self-directed learning and hands-on projects, alongside full-time role

- Following a structured multi-phase roadmap: Python foundations, LangGraph multi-agent systems, RAG, evaluation, guardrails, fine-tuning and LLMops, with each phase producing a working, public artifact.
- AI-Powered Vulnerability Intelligence & Remediation Platform** (flagship portfolio project): applying agentic AI to security and vulnerability intelligence.
- Personal "Second Brain" App**: ingests video transcripts, scores their relevance against personal goals and stores insights in a dedicated memory layer.
- AI Learning Tracker**: built with React 18, Vite, TypeScript and Tailwind CSS using Claude Code for AI-assisted development.
- AI Content Creator**: publishing AI education on YouTube (Shravan AI), including a long-form "Transformers Explained" video and near-daily AI news Shorts.

AI PROJECT

AI-Powered Weekly Review & Meeting Governance Platform

Python, LangGraph, RAG, LLMs, Streamlit, Excel Automation

- Architected an enterprise-grade AI-assisted review platform to replace manual Excel verification during weekly team meetings.
- Built a RAG-based data intelligence layer to process and retrieve relevant information from multi-tab Excel files for the current review period.
- Implemented one-click AI feedback execution, where the system validates all weekly requirements and provides a clear recommendation (Good to Proceed / Pending Items Detected).
- Designed step-by-step validation workflows using LangGraph, integrating human-in-the-loop decision gates for critical missing data.
- Enabled lead override with mandatory feedback, ensuring governance, accountability, and audit compliance without blocking meeting flow.
- Created a prompt-as-configuration system with full CRUD operations, allowing admins to manage validation logic dynamically.

- Automated end-to-end meeting report generation, including validation summaries, pending items, lead comments, and action plans.
- Enhanced transparency and efficiency by centralizing weekly reviews into a single AI-driven workflow, reducing meeting preparation and review time.

KEY PROJECTS & ROLES

Module Lead | **Mphasis** · Bangalore · Mar 2026 – Present

- Leading module-level design and development of Java / Spring Boot microservices and RESTful APIs.
- Mentoring developers, allocating tasks and conducting code reviews to maintain code quality and delivery timelines.
- Coordinating with architects, product owners and QA on requirements, estimates, integration testing and releases.
- Driving CI/CD, deployment activities and production support for the module.

Technical Lead | **Wipro (Bank of America)** · Bangalore · Jul 2022 – Mar 2026

- Experience in Application Assessment and maintenance of applications using Spring Boot, Restful Web Services.
- Designed and developed Restful APIs for different modules in the project as per the requirement.
- Built Java applications using Maven and deployed JAVA/J2EE applications through Application servers.
- Coordinated with the team in deployment activities, Integration Testing, bug fixing, handling change requests and code reviews.
- Utilized GitHub and IntelliJ for development and deployment on test servers and to move towards CI/CD pipeline.
- Manually tested the web application through different environments.

Environment: Spring Core, Spring MVC, Spring Security, Spring Web Services, Restful Web Services, GitHub, Grafana, Postman, Gradle, Oracle, IntelliJ, Jenkins, Splunk, Slack, Docker

Senior Software Developer | **Mobile Programming (Amdocs)** · Pune · May 2021 – Jul 2022

- Experience in Application Assessment and maintenance of Microservices architecture applications using Spring Boot, Spring Cloud config and Restful Web Services.
- Designed and developed Restful APIs for different modules in the project as per the requirement.
- Built Java applications using Maven and deployed JAVA/J2EE applications through Application servers.
- Coordinated with the team in deployment activities, Integration Testing, bug fixing, handling change requests and code reviews.
- Utilized Jenkins, Git, and Eclipse for development and deployment on test servers and to move towards CI/CD pipeline.
- Used Swagger UI and Postman tool to test APIs. Used GIT for Source Control and Version Management of all codes and resources.
- Involved in the design and development phases of Agile Software Development. Manually tested the web application through different environments.

Environment: Java, Spring Core, Spring MVC, Spring Security, Microservices, Spring Cloud, REST, Swagger UI, Postman, Maven, PostgreSQL, Eclipse, Jenkins, Angular, Git, Agile, JIRA

Software Developer | **Mobile Programming (Dell)** · Bangalore · Nov 2019 – May 2021

- Used Java/J2EE technologies to develop web applications for client server environments and add functionalities to existing applications.
- Revamped various Java applications developed with Spring, Microservice, Hibernate and older J2EE.
- Conducted user requirements analysis to design and program applications and deliver support for system enhancement.
- Good knowledge of Uploading, Managing and Deleting apps in Pivotal Cloud Foundry (PCF).
- Played a pivotal role as part of an agile scrum team, developing new applications using Spring framework backend and Angular.js frontend.
- Implemented all the components following a test-driven development methodology using JUnit and Mockito.

Environment: Java, Spring, Spring MVC, Spring Security, REST, Maven, PostgreSQL, Eclipse, Jenkins, Angular, PCF, Pivotal Tracker, RabbitMQ, Git, Agile

Associate | **Cognizant Technology Solutions (Expedia)** · Bangalore · Jul 2018 – Aug 2019

- Rendered solid technical expertise in SDLC and core Java technologies to develop applications based on specific client requirements.
- Developed highly interactive and customized UIs using JavaScript, HTML, JSP, and CSS to improve functionality of web applications.
- Performed unit testing of applications by developing and applying test cases in JUnit. Enhanced code quality and improved application performance, leading to a reduction in bugs.
- Created interactive UIs that surpassed client objectives and improved user experience.

Environment: Java 1.7, Spring Core, Spring MVC, Spring Security, REST, Maven, Oracle, Eclipse, Jenkins, Jira, Postman, Swagger, Agile, HPE Security Fortify

Senior Software Developer | **Capgemini India Pvt Ltd** · Chennai · Oct 2017 – Jun 2018

- Contributed to development of scalable banking web applications using Java, Spring MVC, and Hibernate.
- Collaborated with distributed teams to deliver integrated financial solutions. Optimized SQL queries improving transaction processing speed.

Environment: Java, Spring MVC, Hibernate, REST, MySQL, Eclipse, Maven, Git

Java Developer | **Seventh Sense Technology Pvt Ltd** · Chennai · Sep 2014 – Sep 2017

- Developed full-stack web applications which processed, analyzed, and rendered data visually. Liaised with backend/frontend developers and QA testers.
- Managed time-sensitive updates, including content changes and database upgrades. Planned, wrote, and debugged web applications with complete accuracy.
- Designed/developed UI with HTML, AJAX, jQuery, CSS and JavaScript. Involved in writing complex multi-table joins and conditional queries.
- Extensively worked with Java Collection classes like List, Set and Map. Designed and Developed RESTful Web Services using JAX-RS API.

Environment: Java, Spring Core, Spring MVC, Spring Security, REST, Maven, MySQL, Eclipse, Jenkins, HTML, JavaScript, CSS, jQuery, Hibernate, AJAX, Bootstrap

EDUCATION

Bachelor of Technology — Computer Science & Engineering · Anna University · 2013

I hereby confirm that the information given above is true to the best of my knowledge.