Akshay Pipre

Senior Software Engineer · Backend (Java, Spring Boot, AWS) · Agentic AI

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SUMMARY

Senior Software Engineer at Akamai Technologies with **9+ years** of experience designing and building robust backend systems with **Java and Spring Boot**, deployed on **AWS** for scale and security. I've worked across banking and financial services (Credit Suisse), marketing technology (Merkle Sokrati), enterprise conversational AI (Infosys, Insta Award) and internet-scale edge infrastructure (Akamai). I'm also full-stack with Python, JavaScript and Node.js, and currently building **agentic AI systems** with MCP and multi-agent orchestration. I'm a collaborative team player who works well across functions.

CORE SKILLS

Backend	Java, Spring Boot, Microservices, REST APIs, Node.js, PostgreSQL, MySQL, Redis
Cloud & DevOps	AWS, Microsoft Azure, Google Cloud, Docker, Git, CI/CD, Linux
Frontend & Langs	JavaScript, TypeScript, Python, SQL, Angular, Next.js
AI Engineering	Agentic AI, Model Context Protocol (MCP), LangGraph, multi-agent orchestration, tool/function calling, context engineering, LLM evals & guardrails, Claude & OpenAI APIs, Ollama / vLLM, LoRA fine-tuning, Dialogflow, Alexa

EXPERIENCE

Senior Software Engineer · Akamai Technologies — Aug 2024 – Present · Bengaluru

- Design and develop robust Java / Spring Boot services on one of the world's largest edge and security platforms.
- Focus on scalability, reliability and secure, observable deployments.

SDE-III · Credit Suisse — Jul 2021 – Sep 2024 · Pune

- Built and maintained applications for global banking and financial services with Java, Spring Boot, SQL and JavaScript.
- Delivered secure, high-reliability backends and data-heavy workflows in a regulated environment.

SDE → SDE II · Merkle Sokrati — Feb 2020 – Jul 2021 · Pune

- Promoted from SDE to SDE II within a year.
- Built marketing-tech and data platforms on AWS with MySQL, Redis, Firebase and Salesforce Marketing Cloud integrations.

Systems Engineer · Infosys Limited — Apr 2018 – Feb 2020 · Pune

- Full-stack and chatbot developer: conversational assistants on Google Dialogflow / Google Assistant and Amazon Alexa.
- Built Java, Angular and Node.js applications on Google Cloud Platform with PostgreSQL.
- Received the **Infosys Insta Award** (Jul 2019) for a Dialogflow / Google Assistant chatbot.

Assistant System Engineer Trainee · Tata Consultancy Services — Jul 2017 – Apr 2018 · Jaipur

- Enterprise software engineering training and delivery.

SELECTED PROJECTS

Autonomous Research Agent — Python · LangGraph · MCP · Ollama · Mem0

- A self-hosted agent orchestrated with LangGraph that plans tasks, calls tools over MCP (web search, arXiv, files), reflects on its results and keeps long-term memory. It runs fully local on Llama 3.2.

E-Commerce Platform & Admin Suite — Next.js · TypeScript · PostgreSQL/Prisma · Razorpay · Docker

- A production-ready store with an admin dashboard, Razorpay payments, JWT auth and rate limiting, a companion mobile app and Docker deployment.

EDUCATION

B.E., Computer Science & Engineering
Oriental College of Technology, Bhopal · 2013 – 2017

LANGUAGES

English, Hindi (professional) · Marathi (elementary)

CERTIFICATIONS & AWARDS

Insta Award · Infosys, 2019
Microsoft Certified: Azure Fundamentals · 2023
Security Awareness · CybSafe, 2021
Python for Data Science, Build Your Own Chatbot · IBM, 2020
Exam 774: Cloud Data Science with Azure ML · Microsoft, 2019
LinkedIn Skill Assessments · Java, JavaScript, Git