Jaisimha Kothari

Java Spring Boot Backend Developer

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Professional Summary

Computer Science and Engineering student with **hands-on experience in Java and Spring Boot development**. Proven expertise in **building REST APIs**, software development, and **Agile methodologies**. Skilled in developing scalable backend applications with modern frameworks and tools. Seeking to contribute to Mercedes-Benz's innovative automotive engineering solutions as a Java Spring Boot Backend Developer.

Core Technical Skills

Backend Development: Java, Spring Boot, REST API Development, Microservices
Web Technologies: HTML, CSS, JavaScript, React
Database Systems: MySQL, PostgreSQL
Development Tools: Git, JWT Authentication, Postman, Apache Tomcat, Docker
Cloud & DevOps: Azure, Databricks, Azure Data Factory
Programming Languages: Python, C++
Methodologies: Agile Development, Scrum, Object-Oriented Programming
Concepts: Data Structures & Algorithms, Operating Systems, Database Management, Computer Networks

Work Experience

AI Data Engineer Intern │ Infosys (Springboard) │ Aug 2025 - Oct 2025

Remote

• Engineered industry-relevant software modules following **Agile methodologies**, improving development efficiency by 25%
• Delivered collaborative project features in distributed team environment with minimal handholding
• Applied software engineering best practices in fast-paced, iterative development cycles

Amazon ML School of Summer | Participant | Amazon | Remote

• Selected for Amazon's competitive ML School of Summer program
• Completed intensive training on machine learning fundamentals, deep learning, and real-world AI applications
• Gained experience in building intelligent systems and data-driven solutions

Projects

Secure E-commerce Web Application | *Java Spring Boot Backend Developer* **| Nov 2024 - Jan 2025**

• Developed full-stack e-commerce platform using **Java Spring Boot** backend with **REST API** architecture
• Implemented **JWT authentication** and SHA-256 hashing for enhanced security, reducing unauthorized access by 95%
• Built comprehensive **REST APIs** for user management, product catalog, and order processing
• Deployed on **Apache Tomcat** server with **MySQL/PostgreSQL** database integration
• Achieved 40% improvement in API response time through optimized database queries and caching
• **Technologies:** Java Spring Boot, REST APIs, JWT, SHA-256, MySQL, PostgreSQL, React, Apache Tomcat

Autonomous Research Analyst Agent | *AI Backend Developer* **| Jun 2025 - Aug 2025**

• Engineered multi-agent AI research system using Python and modern backend frameworks
• Integrated Docker-deployed Retrieval-Augmented Generation (RAG) pipeline for autonomous search and analysis
• Reduced manual research time by 70% through intelligent automation and API integrations
• **Technologies:** Python, LangChain, Hugging Face, ChromaDB, Streamlit, Docker, REST APIs

Azure Data Engineering End-to-End Pipeline | *Backend Data Engineer* **| Feb 2025 - May 2025**

• Designed and implemented medallion-architecture Azure data pipeline with comprehensive ETL processes
• Leveraged PySpark and Spark Streaming in Databricks for real-time data processing
• Developed Synapse Analytics data warehouse delivering high-availability insights to stakeholders
• **Technologies:** Azure Data Factory, Databricks, ADLS Gen2, Synapse Analytics, Python, SQL, Scala

Leadership & Responsibilities

Head Organizer - Innovasia Hackathon 2k24 | Dept. of Computer Science, VCE

• Led national-level hackathon with 450+ participants, managing end-to-end event coordination
• Coordinated technical infrastructure, sponsorships, and logistics for large-scale technology event
• Applied project management and collaborative leadership skills in high-pressure environment

Education

Bachelor of Engineering in Computer Science | Vasavi College of Engineering | Aug 2022 - May 2026

GPA: 9.01/10.0

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Computer Networks, Operating Systems, Software Engineering

Achievements & Certifications

Technical Achievements

• **Solved 400+ Data Structures & Algorithms problems** across LeetCode and coding platforms
• **Top 5% performer** in NPTEL - Joy of Computing in Python, IIT Madras (2024)
• **1st Prize** - Men's Singles & Doubles, Table Tennis Championship, VCE (2023)

Professional Certifications

• **Deep Learning for Developers** - Infosys (Springboard)
• **CCNA & PCAP Python Essentials** - Cisco
• **The Joy of Computing Using Python** - NPTEL (Gold + Elite)

Interests

Automotive Technology Innovation • Backend System Architecture • Competitive Programming • Process Automation • Emerging Technologies