

# Akhileshwar Reddy Songala

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## Summary

Results-driven Full-Stack Developer (MS in MIS) with expertise in Java, Spring, Node, React & AI/ML. Proven ability to architect scalable solutions that increase performance and drive user engagement metrics.

## Education

<b>Lamar University</b> , Beaumont, TX	Aug 2022 - May 2024
Master of Science in Management Information Systems	GPA: 4.0
<b>Vellore Institute of Technology</b> , Andhra Pradesh, India	Aug 2017 - June 2021
Bachelor of Technology in Mechanical Engineering	GPA: 3.2

## Experience

<b>Software Engineer</b>	May 2024 – Till Date
Cloudforce Technologies	Schaumburg, IL

- Participate in the full Software Development Lifecycle (SDLC), including requirements, design, development, and testing.
- Improved application performance by 25% and user engagement by 15% by developing scalable full-stack solutions, utilizing React.js for front-end architecture and Node.js with Java (Spring Boot) for microservices.
- Collaborated effectively with team using version control systems (Git) to manage code changes and achieve project goals.
- Designed and consumed RESTful APIs for seamless data integration between system components and third-party services.
- Accelerated development cycles by 30% and enhanced system monitoring by 17% by designing and implementing a robust CI/CD pipeline with Jenkins, Docker, and Kubernetes.
- Spearheaded the development of cloud-native applications for AWS, leveraging event-driven architecture and messaging queues like Kafka to ensure scalable, resilient, and loosely-coupled systems that improved data processing speeds.
- Partnered in a 5-person Agile team to meet project milestones, deliver features & fix critical production issues.

<b>Student Tech Associate</b>	Aug 2022 - Jan 2023
University of Houston-Clear Lake	Houston, TX

- Administered **Linux/Unix** network infrastructure for 180+ rooms, boosting classroom technology uptime.
- Resolved 50+ daily technical issues by automating ticketing in **PeopleSoft**, slashing resolution time by over 30%.
- Authored & deployed a new IT knowledge base, enabling user self-service & boosting team support efficiency.

<b>Software Engineer</b>	Aug 2021 - Jul 2022
MRF LTD	Hyderabad, Telangana

- Developed and maintained high-traffic backend services for fulfillment and logistics applications utilizing Java and Spring framework. Wrote clear and maintainable unit tests using JUnit to ensure high code quality and application reliability.
- Drove a 15% increase in data-driven strategic decisions by engineering RESTful APIs to power dynamic KPI dashboards
- Managed and queried a large-scale relational database (MySQL), writing and optimizing complex SQL queries for a data migration of over 50,000 records, ensuring data integrity.

<b>Manufacturing Intern</b>	Jan 2021 - July 2021
Bharath Dynamics Limited	Hyderabad, India

- Programmed CNC machinery control logic, achieving **0.01mm precision** & reducing material waste by over **15%**.
- Analyzed gigabytes of production data to identify system bottlenecks, improving product reliability & workflow.

## Academic Projects

**Microservices-based E-commerce Platform** | **Spring Boot, Java, React.JS, MySQL** | Engineered a full-stack e-commerce platform handling 1,000+ concurrent users with high availability. Success was achieved by architecting a decoupled microservices backend with Java/Spring Boot and a responsive, interactive user interface with React.js.

**AI-Powered Customer Support Chatbot** | **Python, TensorFlow, LLM, Generative AI** | Developed an intelligent chatbot prototype that improved response accuracy by 40% over traditional keyword-based systems. This was accomplished by leveraging Python and TensorFlow to fine-tune a Generative AI (LLM) for context awareness.

## Technical Skills

**Front-End:** React.js, Angular, HTML5, CSS3, JavaScript, TypeScript | **Programming:** Python, Java, SQL, C++, Apex.  
**Back-End:** Java, Spring Boot, Node.js, Hibernate, Microservices, RESTful APIs | **DevOps:** CI/CD Pipelines, Git.  
**Programming:** Python, Java, SQL, C++, Apex, SOQL | **Databases:** Postgres, Oracle DB, MongoDB, MySQL  
**AI/ML:** LLM, Generative AI, Natural Language Processing (NLP), TensorFlow | **Cloud & Monitoring:** AWS & GCP.  
**Analytics Tools:** Tableau, Power BI, Salesforce Einstein Analytics | **Databases:** PostgreSQL, MongoDB, MySQL

## Certifications

- Salesforce Certified Administrator (SCA)
- Salesforce Certified Service Cloud Consultant (SSC)
- Salesforce Certified Platform Developer I (SPD-1)