Teja

Linkedin GitHub

Software Engineer at CVS Health — 3.9 Years Experience

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Experience

- **CVS Health** — New York, NY
  Software Engineer — *Mar 2025 - Present*
  - In Pharmacy Care Platform Team, Working on Spring Boot (Microservices architecture) for Pharmacy Management systems, leveraging JUnit/Mockito for TDD and Agile (Jira) workflows. Goal is to reduce post-deployment defects while accelerating feature delivery cycles.
  - Implemented multithreaded APIs to retrieve and display real-time patient information, significantly improving data retrieval efficiency.
  - Optimized database schemas to ensure scalable and efficient management of patient information.
  - Currently refactoring the entire Backend Code based on the updated new DB schema and implemented CACHE for both UI and backend.
- **Verizon** — Mountain View, CA
  Software Engineer — *Oct 2022 – Dec 2023*
  - Worked in the Network Orchestration Team using Spring WebFlux and TMF921 APIs to develop 5G network slicing solutions that automate resource allocation and drive dynamic connectivity.
  - Orchestrated containerized network functions on Kubernetes for Verizon's 5G/IoT infrastructure, streamlining the deployment and management of essential communication services.
  - Built robust RESTful APIs with Java 11+ and Spring Boot to support voice and data services, enabling seamless real-time communication across the network.
  - Designed Kafka-based workflows to handle network alarms and IoT telemetry with fault tolerance, ensuring reliable monitoring and rapid response.
  - Optimized database integrations by leveraging JPA/Hibernate with Oracle and PostgreSQL, boosting performance for high-volume transactional systems.
- **CVS Health** — New York, NY
  Software Developer — *May 2021 – Oct 2022*
  - In Healthcare Data Engineering Team worked on optimizing Hadoop-based ETL pipelines (Hive, Sqoop) and clusters (HDFS, YARN) for pharmacy claims and patient data, boosting report efficiency and cluster stability.
  - Automated data ingestion and validation workflows using Java/Spring Boot and Unix shell scripts, ensuring HIPAA-compliant processing of sensitive healthcare data.
  - Collaborated with clinical analysts to implement statistical analyses (regression models, outlier detection) and preprocess clinical notes with Spark, enabling care gap analysis for high-risk patients.
  - Developed Spring Boot APIs to integrate Tableau Prep with EHR systems, simplifying access to patient utilization data for internal analysts.
- **Infosys** — Hyd, India
  System Engineer — *Jan 2021 – May 2021*
  - Collaborated with the Infosys Agile DevOps team to architect and deploy CI/CD pipelines in an open-source environment, streamlining deployments and reducing release cycles.

Programming Skills

Programming:	Data Structures and Algorithms (DSA), Java, Python, JavaScript/TypeScript
Frameworks:	Spring Boot, JPA/Hibernate, FastAPI, Next.js, REST APIs, Microservices, Kafka
AI/ML Libraries:	TensorFlow/Keras, PyTorch, Hugging Face, LangChain, LLM, RAG
Database/Cloud:	MySQL, Hadoop, HDFS, PySpark, MongoDB, PostgreSQL, AWS, GCP
Developer Tools:	Docker, Git, Google Colab, Anaconda, CUDA

Education

- **University of North Carolina at Charlotte** — Charlotte, NC
  Master of Science in Computer Science(AI/ML); GPA: 4.00 — *Jan. 2024 – May. 2025*

Projects

Chat with me — RAG (Retrieval Augmented Generation) [Link]
Built a RAG-based AI agent with LLM functionality and custom data. Acts like a personal bot that you can talk to.

Real-Time Chat Application — Spring Boot, WebSockets + React [Link], [Demo]
Developed a real-time chat application with Spring Boot (backend), React (frontend), and WebSockets for real-time messaging.

MakeItTalk — Deep Learning Models [Link]
Engineered a deep learning pipeline combining CNNs, RNNs, and GANs for realistic facial animations.

Connect4 with AI — Alpha-Beta Pruning Search Algorithm [Link]
Developed an AI-powered Connect4 game using Alpha-Beta Pruning for strategic gameplay.

Alzheimer's Disease Analysis — Machine Learning [Link]
Built an ML model to predict Alzheimer's Disease for early detection and diagnosis.