

MANASI JADHAV

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SUMMARY

Experienced **software engineer** with **3+ years** of experience building **scalable Java Spring Boot applications** and **RESTful microservices**. Skilled in **debugging, problem-solving**, and contributing to complex, high-impact cross-functional projects in agile, fast-paced development environments.

TECHNICAL SKILLS

Languages & Frameworks: Java, Python, C, C++, JavaScript, NumPy, Pandas, TensorFlow, PyTorch, Bootstrap.

Web Development: Spring framework, Node.js, React.js, HTML5, CSS, RESTful API, SpringBoot.

Databases: MySQL, MongoDB, PostgreSQL, NoSQL, Hadoop, Spark, Relational Databases, JDBC, RDBMS.

Algorithm & Design: Algorithms, Design Patterns, Object-Oriented Design, Microservices, SDLC, Code Review.

Testing, Monitoring & Logging: JUnit testing, Postman, Sonarqube.

Version Control & Collaboration: Git, GitHub, Jira, Scrum, Agile Methodologies, Jenkins, Azure DevOps, AWS.

Other: Figma, JSON, XML, MVC, Maven, Spring MVC, Visual Studio Code, Jupyter Notebook, IntelliJ, Eclipse, CI/CD, Kubernetes, ArgoCD, Kafka, OAuth2, Ping Federate, Permit, Authentication and Authorization.

WORK EXPERIENCE

Goldman Sachs | Asset and Wealth Management

Dallas, Texas, United States

Software Engineer | Analyst

July 2025 – Present

- **Architected microservices** from scratch using **Java, Spring Boot, REST APIs, and JDBC**, generating and delivering Margin Call Notices for **10K+ client accounts daily** with detailed portfolio.
- **Integrated Kafka-based event streaming** (100K+ daily events) for real-time margin shortfall detection and inter-service communication across distributed systems.
- **Designed reporting pipelines** using **SQL (PostgreSQL/MySQL), Hibernate/JPA, and JSON-based data models** to generate **15K+ structured client reports per day**.
- Containerized services with **Docker** and deployed on **Kubernetes**, implementing **CI/CD (Jenkins/ArgoCD) pipelines** achieving **99.9%+ service uptime**.
- **Contributed to 30+ production releases**, performing code reviews, writing **JUnit test cases**, and ensuring code quality via **SonarQube** within Agile (**JIRA/Scrum**) environment.

Harman Connected Services

Pune, Maharashtra, India

Software Engineer in Product Development

Dec 2020 - Jul 2023

- **Engineered fault-tolerant Java microservices** to enhance system scalability and reliability, achieving a **30% improvement in efficiency** through Agile methodologies.
- **Developed 15+ custom forms** for a patient portal used by **100+ medical offices**, enhancing user experience with **ReactJS and JSON-driven components**.
- **Resolved 50+ critical bugs**, automated backend processes, and optimized data analysis pipelines, resulting in a **40% boost in overall system performance**.
- **Designed and executed unit test cases** for the ERA feature using **JUnit**, ensuring robust coverage and improved code reliability, & the **successful delivery of 20+ production updates** aligned with best practice.
- **Conducted 10+ design reviews**, documented technical specifications, and gathered requirements across **50+ stakeholder meetings**, streamlining product delivery.
- **Collaborated with a cross-functional team of 10 engineers** to implement scalable solutions and ensure seamless integration within the broader system architecture.

PROJECTS

Task Manager Web Application ([GitHub Task Manager Link](#))

- Programmed full-stack Task Manager app using **Spring Boot, React.js, PostgreSQL, & JWT** with **RESTful APIs**, enabling task creation, updates, deletion, authentication & drag-and-drop functionality.

Signify – A Real-time American Sign Language (ASL) Translator ([GitHub Signify Link](#))

- Built Signify, a real-time ASL translation web application using **HTML, CSS, JavaScript (frontend), Flask (backend), CNN-based image classification, and libraries including OpenCV, NumPy, TensorFlow/Keras, and MediaPipe**, enabling live ASL-to-English translation and interactive practice.

Hospital Management System ([GitHub Hospital Management System Link](#))

- Designed and implemented a relational Hospital Database Management System using PostgreSQL, modeling 5+ core entities (patients, doctors, appointments, billing, medical records), optimized 20+ complex SQL queries through indexing and normalization (3NF), improving query performance by ~40% and ensuring data integrity with constraints and relational mappings.

EDUCATION

Master of Science, Computer Science and Engineering

University at Buffalo, State University of New York at Buffalo

Aug 2023 - Dec 2024

GPA – 3.87/4.0

- Coursework: Algorithms Analysis & Design, Operating Systems, Computer Security, Data Intensive Computing, Management of IT Projects, Computer Vision, Data Models & Query Languages.

Bachelor of Engineering, Computer Engineering

University of Pune, PVG's College of Engineering and Technology

Aug 2016 - May 2020

GPA – 8.55/10.0

- Coursework: Artificial Intelligence, High Performance Computing, Data Analytics, Data Mining, Database Management Systems, Computer Networks, Software Modeling & Design, Computer Graphics.

AWARDS AND ACHIEVEMENTS

- **Graduate Leadership Award**, presented by the Department of Computer Science and Engineering, University at Buffalo.
- **Won 2nd Place in CSE Demo Days, Spring 2024** presented by the Department of Computer Science and Engineering, University at Buffalo, for Signify — a real-time American Sign Language (ASL) translation web application.