

NIHAR GHARAT

Senior Full Stack Developer

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Experience

Full Stack Developer II, FedEx, Plano, Texas

Jan 2024 - Present

- Modernized the FedEx Store application by developing core features and critical issues in a high-traffic environment. Developed end-to-end web features combining **Angular** (UI) and Java Spring Boot (backend).
- Improved observability** in backend application by focusing on logging consistency, extensively used **distributed logging**, and MDC(Mapped Diagnostic Context).
- Received the **BZ award** for exceptional Triage work. **Lead** triage team for production issue analysis and resolution. Analysed and identified defects, and co-ordinated with business for prioritisation and resolution. Ensured **clean cataloguing** of all issues, expediting Triage work by team-members.
- Received **FedEx Purple Star Award** for improving application reliability in terms of response time and success rate. Identified and resolved critical issues related to concurrency. Improved application metrics(performance) by **~40%**. Proficient in Splunk analysis.
- Improved application **monitoring** by ideating and leading the development of new **dashboards** for getting better metrics from **Splunk** logs. Deep experience in issue analysis on both client and server side, and JVM analysis.
- Experience in working with high availability micro-service. **Optimized performance** by identifying and resolving **latency bottlenecks** in Java Spring Boot applications.
- Gained hands-on experience in e-commerce functionality by working with **Magento**, utilizing Angular for UI, Redux for state management, and Java **Spring Boot** for backend services.

Software Developer Intern, FedEx, Plano, Texas

May 2023 - Aug 2023

- Worked on modernizing legacy printAndGo application by developing new **REST APIs**(creating/consuming) on **Java 11 Spring Boot**.
- Won the **Technical Mastery award** for development and delivery effort as a team. Discovered performance **bottlenecks** by doing memory-footprint analysis(**JVisualVM**), **recommended improvements** to the old **REST APIs** consumed when uploading **multi-part file resource** to the cloud. Presented the **prototype** to the FedEx technical leadership team.

Senior Product Engineer, LnT Infotech, Pune, India

Apr 2018 - Aug 2021

- Designed and implemented **REST APIs**(creating) for connector service - a **unified Java service** for metadata discovery and data fetching/writing from various sources like **RDBMS**(postgreSQL, MySQL, Snowflake, etc.), **cloud storages**(Azure Blob, S3, SFTP); various **file formats**(XLSX, delimited, SAS7BDAT, JSON, XML), **noSQL** like mongoDB; and CRM platforms like **Salesforce**.
- Improved performance of Xlsx data parser by **~50%**, by identifying bottlenecks in **Apache Poi** implementation.
- Developed and **maintained** new features like range read, **streaming** read, etc. for xlsx connector. **Owned/maintained** for various connectors like Xlsx, Json, Azure Blob, MySQL, etc.
- Involved in containerisation and orchestration effort with Docker/Kubernetes(K8S).
- Developed **bash scripts on Linux** for doing **automated performance benchmarking** for various connectors for Spark on K8S.
- Designed and developed functionality like **upsert** for RDBMS via spark, **mongoDb** authentication. Proficient in working with data processing frameworks like Spark running on Yarn/Hadoop/K8S.
- Researched and developed a **Google Drive connector POC**, wrote the **design document**, and presented it to the team.
- Contributed to maintenance and enhancement of **Spark** cluster processing for about **15** connectors.
- Worked on spark **cloud connectors** like Azure Blob, Amazon S3, GCS; with a major focus on **Azure Blob**. Worked on **other technologies** like Snowflake, SonarQube.
- Strong experience in Linux, with **Ubuntu** as the choice of development OS, extensively used **Jira** for issue tracking, **Git(maintainer of repo)** for VCS.

Skills

Languages: Java, Python, JavaScript, TypeScript, HTML, CSS, Bash

Databases: MySQL, PostgreSQL, Snowflake, MongoDB

Frameworks & Libraries: Spring Boot, React.js, Next.js, Angular, TailwindCSS, Pandas, Keras, TensorFlow, Apache Spark

DevOps & CI/CD: Docker, Kubernetes, Jenkins, GitHub Actions, GitLab CI/CD, SonarQube, Anacron, Cron

Cloud & Infrastructure: PCF, Azure Blob Storage, Amazon S3

Tools & Platforms: Splunk, SFTP, Jira, Git, GitHub, GitLab, VS Code, IntelliJ, PyCharm, Eclipse, Sublime Text, Linux (Ubuntu)

Education

University of Texas at Arlington

Jan 2022 - Dec 2023

MS in Computer Science, 3.875/4.0 GPA

Graduate Teaching Assistant, Data Mining(Dr. Elizabeth Diaz)

Spring 2023, Fall 2023

Assisted with coursework, grading, and student mentoring for Data Mining course under Dr. Elizabeth Diaz.

University of Mumbai

Sep 2013 - May 2017

B. E in Electronics and Telecom