NIHAR GHARAT

Senior Software Developer, History Enthusiast
nihar.gharat@gmail.com | 469 970 8632 | Dallas, Texas
Github: https://github.com/NiharGharat | LinkedIn: linkedin.com/in/nihar-gharat-csihvoshone | Portfolio: https://nihar-gharat.vercel.app/

Education

University of Texas at Arlington Jan 2022 - Dec 2023
MS in Computer Science, 3.8/4.0 GPA
Graduate Teaching Assistant, Data Mining(Dr. Elizabeth Diaz) Spring 2023, Fall 2023

University of Mumbai Sep 2013 - May 2017
B. E in Electronics and Telecom, 7.3/10 CGPA

Experience

Full Stack Developer II, FedEx, Plano, Texas Jan 2024 - Present

- **Product engineer** with Fedex Store Print team, focused on development of modernized Store application, a cloud-native app designed to unify all Fedex Office workflows. Developed part of the **Order Sharing** module for store(**Angular**).
- Improved Splunk backend **service logging**(Java service) for consistency; ideated, lead design and development of **newer dashboard** for getting better **metrics** from Splunk logs. Actively monitored **Splunk** and **AppDynamics** dashboards on production.

Software Developer Intern, FedEx, Plano, Texas May 2023 - Aug 2023

- As a part of cloud first initiative, modernized legacy printAndGo application by developing new **REST** APIs(creating/consuming) on **Java 11 Spring Boot**.
- Led software design for **message-consuming(JMS)** module. **Led** a team of **4** to break down requirements into tasks to develop and deliver a cohesive solution.
- 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.
- Hands-on experience in working with SpringBoot, **JMS(Tibco)** for Messaging, **Jenkins** for CICD, **Insomnia/postman** for api testing, **JUnit** for testing, **jVisualVM** for profiling, Git for VCS.

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. Sources included **RDBMS**(postgreSQL, MySQL, Snowflake, etc.), **cloud**(Azure Blob, S3, STFP); 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. Designed, implemented, 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 effort with docker.
- 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. Researched the feasibility of a connector for **Google Drive**. Developed a **POC** to demo the integrated functionality intra team.
- Contributed to maintenance and enhancement of **Spark** cluster processing for about **15** connectors.
- Worked on **cloud connectors** like Azure Blob, Amazon S3, GCS; with a major focus on **Azure Blob**. Worked on **other technologies** like Docker, Kubernetes, Sftp, CI/CD, 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.

Personal Projects

- **YouTube playlist backup (**private**)** 2022
  Designed and implemented a project to periodically backup youtube playlists to avoid loss(song names only) due to copyright strikes. The project is written in **Java 8**, performs multithreaded http requests, parses the html response(**regex**), and stores the necessary data pulled in **xlsx** format. **Cronned(**anacron) and **dockerized** the project to run periodically. Published to **docker hub** registry
- **Gym Workout Recommender with Neural Networks (Github link)** 2023
  Designed and implemented a workout recommender app based on users' workout history, profile, preferences, etc. Under Machine Learning course, written in **python3**, feature engineering in **pandas**, neural network on **Keras**.
- **The Portfolio with React/NextJS (Github link)** 2023
  Designed, implemented and deployed a web app from **scratch** using NextJS(React), TailwindCSS. Integrated **Google Analytics** for traffic analytics and deployed on **Vercel**.

Skills

Languages: Java, Python, Javascript, HTML, CSS, Bash Script
Databases: MySql, Snowflake, PostgreSQL, MongoDB
Frameworks and Tools: Spark, NextJS, ReactJS, TailwindCSS, Pandas, Sftp, Ubuntu, Linux, Keras, Tensorflow, Spring Boot, SonarQube, Jenkins, Git, Github, Gitlab, Docker, Kubernetes, Jira, VsCode, Eclipse, Intellij, PyCharm, Sublime3, Cron(Anacron)
Cloud: Azure Blob, Amazon S3, Cloud Foundry