Sairam Harikrishnan

Richardson, TX, 75080 | (469) 742-3763 | saih.me | sai_hari98@hotmail.com | LinkedIn | GitHub

EDUCATION

The University of Texas at Dallas, MS Information Technology and Management | December 2024
Anna University, B. Tech., Information Technology | May 2019

PROFESSIONAL EXPERIENCE

FedEx | Remote | June 2024 – Present
Intern – Information Technology

- Currently developing a new **SpringBoot** application for dynamic reporting which will be used in more than **100** countries for field operations and planning

Copart | Dallas, Texas | January 2024 – May 2024
Software Engineering Intern

- Designed an image compression module in **Angular,** reducing the size to **500kB** for a damage score AI model
- Built an internal tool using **Angular** & **Spring Boot** to customize seller portal preferences in **MariaDB**, reducing the time to **under a minute**
- Migrated **Apache Solr** collection containing data of more than **2 million cars** sold on auction for faster indexing
- Implemented lazy loading of Billing Invoice PDF on-demand reducing the API calls by more than **50%**
- Developed a new module using **Spring Boot** and **Angular** to simplify vehicle title actions such as requesting duplicate title, uploading bill of sale, etc. in a short span of **2 weeks**
- Customized Copart's seller portal for **AVIVA insurance** using **MariaDB** and **Spring Boot** to align with their process

ThoughtWorks | Chennai, India | June 2022 – December 2022
Consultant – Developer
Client: Generali Italia

- Reduced page redirects to **1** from claims dashboard page by implementing quick action widgets in **Angular**
- Decreased build failure rate by **30%**, and improved the code quality by building an engineering metrics dashboard with **SpringBoot**, **React JS**, **PostgreSQL**
- Lowered repetitive API calls by over **50%** by implementing a real-time claims dashboard using **SpringBoot** and **Websockets** for live customers insurance claim submissions

Cognizant, Chennai, India | July 2019 – June 2022
Software Engineer
Client: Walgreens

- Implemented one-click order placement using **SpringBoot** and **MongoDB** reducing the overall API utilization by **75%**
- Increased the microservices capacity to accept orders by **30%** by implementing message-based asynchronous communication using **Azure functions** and **storage queues**
- Minimized webpage navigations by more than **50%** by developing a search feature for orders with **Java** and **Redis**
- Curtailed latency of Walgreens e-commerce platform APIs to less than **1s** on average by optimizing the code in **Java**
- Engineered the business logic in **Java** for same-day delivery last mile which **increased the revenue by $8 per order**

ACADEMIC PROJECT EXPERIENCE

Credit Card Approval Prediction | *R Programming* | February 2023 – April 2023

- Used **AdaBoost** boosting technique to get the maximum accuracy of **91%** and false negative rate about **8%**
- Employed **SMOTE** oversampling algorithm to balance the minority class of risk users (**0.3 percent**) GitHub Link

InstaHMS | *MySQL* | February 2023 – April 2023

- This project addresses the daily operations of a hospital via effective queries in **MySQL**
- Implemented SQL scripts to define schema, optimized queries, views, stored procedures and triggers. GitHub Link

InteracT | *Android Studio, Java*   June 2018 – July 2018
- Built an Android app to display upcoming events of undergrad college along with a **chat** feature
- Integrated the app with **Firebase Firestore** to manage data, **Firebase Auth** to manage security. [GitHub Link](#)

TECHNICAL SKILLS
Programming/Markup Languages: Java, HTML, CSS, JavaScript, Python, SQL, R
Technologies: Spring Boot, Hibernate, Angular, React, Redux, Microservices, Gradle, JUnit, Docker, Microsoft Azure API Management, Azure KeyVault, AWS Fargate, AWS DynamoDB, Redis, MySQL, Oracle SQL, MongoDB, Apache Solr
Tools: Jenkins, JIRA, Azure DevOps, Git, GitHub, Sonarqube, Splunk , Excel
Agile Practices: Scrum, Extreme Programming (XP), Test Driven Development (TDD), Scaled Agile Framework (SAFe)

STUDENT CLUBS
Web Design Lead, Code.exe at UTD   September 2023 - Present
Presentation Mastery (L1), Toastmasters   August 2023 – Present

ACCOMPLISHMENTS
AWS Certified Solutions Architect   December 2023
P&R Coral Award – Cognizant   April 2021