

Sairam Harikrishnan

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EDUCATION

The University of Texas at Dallas, MS Information Technology and Management
Anna University, B. Tech., Information Technology

December 2024
May 2019

PROFESSIONAL EXPERIENCE

FedEx | Remote

June 2024 – Present

Intern – Information Technology

- Coded a new **SpringBoot** application for dynamic reporting which will be used in more than **100** countries for field operations and planning
- Built a **Jenkins** pipeline to adopt **Ephemeral Environment** practice for DevTest saving runtime cost more than **90%**
- Currently implementing automation test cases using **Selenium** and **Cucumber** framework to integrate as part of **ephemeral environment** pipeline

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

PlayFy | *SpringBoot, React, Redis*

June 2024 – Present

- Implemented **OAuth 2.0** to connect with Spotify APIs fetching playlist information
- Developed features such as linking a spotify account to the application
- Currently engineering logic to **sync user's playlists from spotify**, **export** the playlists tracks as CSV / PDF and **migrate** to other platforms. [GitHub Link](#)

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, TypeScript, Python, SQL, R

Technologies: Spring Boot, JPA / Hibernate, JUnit, Angular, React, Redux, Microservices, Gradle, Maven, Docker, Microsoft Azure, Azure App Services, Azure API Management, Azure KeyVault, Amazon Web Services (AWS), AWS CodePipeline, AWS EC2, AWS Lambda, AWS IAM, Redis, MySQL, Oracle SQL, MongoDB, Apache Solr

Tools: Jenkins, JIRA, Azure DevOps, Git, GitHub, 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

[Amazon Web Services \(AWS\) Certified Solutions Architect](#)

December 2023

P&R Coral Award – Cognizant

April 2021