

Sahitya Reddy Bollavaram

Education

- Sept 2019 – **University of Genova, Hyderabad, India,**
Ongoing Master of Science in Computer Science - Software Engineering Track.
Aggregate – 28.5/30
- Sept 2012 – **Keshav Memorial Institute of Technology, Hyderabad, India,**
May 2016 Bachelor of Technology in Computer Science and Engineering, Aggregate – 69 %.
- July 2010 – **Narayana Jr College, Hyderabad, India,**
July 2012 Higher Secondary Education, Aggregate – 91 %.
- March 2010 **Sri Aurobindo International School, Hyderabad, India,**
Indian Certificate of Secondary Education(ICSE), Aggregate – 84 %.

Work Experience

- June 2016 – **Software Engineer, VIRTUSA, Hyderabad, India.**
Aug 2019

Roles and Responsibilities.

- Worked with Product Owners/Team Leaders to gather requirements.
- Studying the requirements and implementing them.
- Performed developer testing to ensure that developed code works as per requirements.
- Debugged problems and corrected issues.

Technical Skills

- Languages Java, C#, JavaScript, HTML
- Frameworks Spring Boot, Microservices, .NET 6, Blazor, Node js, Angular, TypeScript, Android, Selenium Automation, TestNG
- Databases MongoDB, MS SQL, Oracle SQL Database
- Other Tools Visual Paradigm, Git, BitBucket, Jira, Visual Studio 2022

Soft Skills

- Language English, Hindi, Telugu

Master's Thesis - In collaboration with EdiSoftware S. R. L.

- Oct 2020 – **Developing SPA using Blazor, This thesis analyses and evaluates Blazor practically through the development of a Single Page Application and investigates the main features, advantages, and constraints of the Blazor Framework.**
Ongoing
- Technical Stack - Blazor Server, Blazor WASM, ASP.NET, .NET 6, MS SQL DB.

Academic Projects

- Dec 2020 – **EasyPeasy - E-commerce Website**, *Application to sell/buy products and services provided by users. The goal of the project is to simulate SCRUM methodology.*
Feb 2021
- Acted as a Product Owner to understand the clients'(Professors) requirements and communicate them to the developers.
 - Curated Requirements.
 - As a developer, I have worked on the User interface (Angularjs) for implementing pages pertaining to Item Listings, Item Details, Checkout Page, Account Details Page, Session Implementation, and pages related to Completing an Order.
 - Implemented a feature for users to convert their real money to our website's crypto currency(Peas) using web3 library.
- Nov 2020 – **Indoor Contact Tracing System - Prototype**, *IoT Application to estimate the number of people inside a building using Beacon Technology.*
Jan 2021
- Implemented a Bluetooth Emitter Simulator in Node.js.
 - Implemented a Bluetooth scanner(simulator-MQTT Publisher) that scans the beacon data and sends it to the server.
 - Developed a server that collects data from the scanner, processes them in real-time send alarms to users, stores anonymous data and produces statistical data in Node.js.
 - Created a dashboard to visualize anonymous real-time and historical data in React Js.
- Nov 2020 – **Library Application**, *Android application that helps libraries to manage books,issuances,dues.*
Jan 2021
- Designed the application using UML diagrams in Visual Paradigm.
 - Developed the application using Android 10 and Java.
- June 2020 – **Multi-Tier application deployed in a Docker Swarm**, .
Aug 2020
- Built a distributed architecture consisting of 3 Virtual Machines (Ubuntu Server 16.04). The three machines are placed in a Docker Swarm and share a file system with GlusterFS technology.
 - The Swarm contains Traefik, Joomla, MariaDB, Prometheus, Grafana containers.
 - Used Traefik for Load Balancing and Reverse Proxy configurations, Prometheus and Grafana for monitoring the services.

Projects - Work Related

- June 2018 – **CitiConnect Microservices**, *Microservices-based application to incorporate business validations for a banking transaction to process further.*
Aug 2019
- Migrated Oracle SQL tables to collections in MongoDB.
 - Developed augmenters and validators for business validations of a transaction along with their respective JUnit test cases.
 - Exposing the above logic REST Web Services using Spring Boot.
- Aug 2017 – **Citi-Connect SWIFT messages Test Data Generation Tool**, *A standalone micro service which can be used across the Citibank to test SWIFT (Society for worldwide Inter-bank Financial Telecommunication) messages.*
May 2018
- Developed logic for generating transactions for testing following Swift format(MT101, MT103) messages using Java 8.
 - Implemented validations for SWIFT messages and added fault tolerance using Hystrix.
- Sept 2016 – **Vodafone Redsky Hungary**, *E-commerce application for selling Mobile products, services and tariffs built using SAP Hybris.*
Feb 2017
- Implemented CAPTCHA with reCAPTCHA in the Personal Details page of Commerce module using JavaScript and Java.
 - Fixed Bugs with respect to coding standards using Sonar Lint.

Certifications and Achievements

- 2016 Oracle Certified Professional, Java SE 6 Programmer.
- 2019 Virtusa Dream Team award for Citi Connect Microservices in March 2019 for Exemplary Performance and Contribution

2018 Virtusa Dream Team award for CitiDirect project in March 2018 for Exemplary Performance and Contribution.