

Sahitya Reddy Bollavaram

Education

- Sept 2019 – **University of Genova, Genova, Italy,**
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 the developed code works as per requirements.
- Debugged problems and corrected issues.

Curricular Internship

- October 2021 **Curricular Internship, EDISoftware S. R. L., Genova, Italy.**
– Ongoing

Technical Skills

- Languages Java, JavaScript, HTML, C#
- Frameworks Spring Boot, Angular, Blazor
- Databases MS SQL Server, Oracle DB Server, MongoDB
- IDE Eclipse, IntelliJ, Visual Studio 2022
- Other Tools Jira, Google oAuth, Azure CI/CD, Git

Projects - Work Related

- June 2018 – **CitiConnect Microservices, Microservices-based application to incorporate business validations**
Aug 2019 *for a banking transaction..*
- Automated the migration of data from SQL tables to collections in MongoDB.
 - Developed augmenters and validators for business validations of a transaction along with their respective JUnit test cases with 80% code coverage to reduce bugs in production, and added communication between Microservices using RestTemplate.
 - Improved fault tolerance and resilience of Microservices using Hystrix.

- Aug 2017 – **CitiConnect 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.
- 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.

Master's Thesis - CRM Application using Blazor

- Oct 2021 – **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 Server
 - Implemented a CRM Application using Blazor Server and Blazor WASM.
 - Analysed the performance of Blazor CRM(Server side vs Client Side)
 - Tested AOT compilation performance offered by Blazor WASM.

Projects - Academic

- 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.
 - Created the User interface (Angular) for pages pertaining to Item Listings, Item Details, Checkout Page, Account Details Page, and pages related to Completing an Order.
 - Implemented 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
- Created a Bluetooth Emitter Simulator in Node.js that emits Beacon data identified by UUID.
 - 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.
- 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.

Certifications and Achievements

- 2016 Oracle Certified Professional, Java SE 6 Programmer.