

# Sai Surya Prakash Moka

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## EXPERIENCE

### University of New Haven, West Haven, Connecticut.

Sep 2023 – Dec 2023

Role: Graduate Teaching Assistant

Course: Introduction to Programming/C

Responsibilities:

- Reviewing and grading weekly programming assignments and quizzes.
- Organized and facilitated tutoring sessions, assisting 50+ students weekly in grasping challenging coursework and achieving remarkable academic progress.

### HCL Tech, Chennai, India.

Oct 2020 - Dec 2022

Client: Allianz Life Insurance of North America.

Role: Senior Software Engineer.

Responsibilities:

- **Modernized VS10 System to Web-based Application:** Contributed to the modernization effort of the VS10 system (platform managing variable life annuities) in migrating the legacy Accent-R language system to a robust Java-based web application, significantly enhancing its accessibility and performance.
- **System Module Revamping and Enhancement:** Spearheaded the revamping and enhancement of multiple system sub-modules, executing seamless data migration from flat files to SQL tables (Migrated over 1200 datasets in to SQL tables), automating legacy code transformation into Java (Transformed around , subsequent code refactoring, integrating REST endpoints, and rigorous testing of these endpoints for optimal functionality.
- **Angular UI Development and Integration:** Took charge of Angular UI development, ensuring end-to-end integration of user interfaces with backend functionalities. Executed and validated predefined unit test cases, conducted comprehensive code coverage and quality checks leveraging tools like Jacoco and SonarQube. Automated deployment of the refined code in to Dev servers by building CI/CD pipelines using Jenkins. Transformed over 25 sub modules of the application from Legacy code to Java.

## TECHNICAL SKILLS

- **Languages:** C, C++, Java, Python, HTML5, CSS, JavaScript.
- **Frameworks & Libraries:** Java FX, Junit testing, Maven, Spring Boot, Hibernate, Spring Data JPA, Node JS, Angular.
- **Tools & Technologies:** MS SQL (Data Base Management System, Postman (REST APIs testing), SonarQube, ForgeRock, GIT, Jenkins (CI/CD pipelines), Basics in AWS cloud computing, AWS Elastic Bean stack, Micro services architecture, Microsoft Excel, Microsoft Power point.
- **Soft skills:** Time management, Problem solving, Organizational skills, Teamwork and Excellent communication skills.

## EDUCATION

### University of New Haven

West Haven, CT.

M.S in Computer Science, Tagliatela College of Engineering, **CGPA: 4.0/4.0**

Jan 2023- Dec 2024.

**Related Courses:** Intermediate Programming in C & C++, Computer Networks and Data Communication, Intro to Computer Security, Database Systems, Data Structures and algorithms, Operating systems, Java Programming.

### Sathyabama Institute of Science and Technology

Chennai, India.

B.E in Electrical and Electronics Engineering, **CGPA: 9.08/10**

Jun 2016- Jul 2020

**Related Courses:** Fundamentals of Programming, Object Oriented Programming, Fundamentals of Artificial Neural Networks, Programming in MATLAB, Python Programming.

## PROJECTS

### Vs10 Info Hub

- **Web-Based VS10 Inventory Search:** Created a web-based search application facilitating access to the VS10 System Inventory.
- **Tech Stack:** Developed using JDK 11, Angular, spring framework, and MS SQL for robust functionality and user-friendly design.

**Time Sheet Management System** (<http://timeclockingapplicationftnd-env.eba-wd3dqwjn.us-east-1.elasticbeanstalk.com/timeclocking/signup>)

- **Functionalities:** Signup, Login, Add Time Entry, View Entries, Update/Delete Entry, Calculate Wage, Wage Report generation.
- **Tech Stack:** Developed using JDK11, Angular, Spring Boot, MSSQL (Hosted in AWS RDBMS), Spring Data JPA, HTML5, CSS and AWS Elastic Bean Stack.

**Airport Management System** (<https://github.com/PRAKASH4150/AirportManagementSystem>)

- **Functionalities:** Plane management, Pilot Management, Hangar Allocation, Admin Services.
- **Architecture:** Implemented micro service architecture for enhanced scalability and flexibility.
- **Tech Stack:** Developed using JDK8, Angular, Spring Boot, MySQL, Spring Data JPA, HTML5 and CSS.

## ACHIVEMENTS

- **Promotion to Senior Software Engineer:** Received promotion to Senior Software Engineer within a year due to consistently delivering high-quality code to the client and for developing various automation scripts, applications which significantly added value to the client and got recognized as *Rookie Rock Star* while working under HCL Technologies Ltd.
- **29<sup>th</sup> Convocation University Gold Medalist:** Gold Medal recipient at the 29th Convocation for outstanding academic achievement in Electrical and Electronics Engineering throughout the Bachelor's program.