SATYA PRAKASH RANJAN

Software Engineer|Experience : 3+ years|satya.ranjan.vit@gmail.com| (+91) 9939329357 | Jaipur, Rajasthan| LinkedIn

Education

Master in Computer Application (MCA)

Vellore Institute of Technology – Vellore ,   Tamil Nadu , India
Marks GPA : **8.2/10**   Year: 2019-2021

Work Experience

Software Developer

May, 2021 - Present

RoboMQ Private Limited

Role and responsibility

I am acting as tech lead for the team, leading a group of 7+ engineers in end-to-end feature development for Hire2Retire , overseeing team's tech-design, code quality, managing daily Scrum activities, and mentoring new team members.

Key business deliverables

- Designed and Implemented robust 'PGP encryption and decryption' features on the company's flagship product, 'Hire2Retire,' enhancing data security and confidentiality for users.
- Redesigned and modularized the V1 Hire2Retire, codebase to enable scalable integration with new HR systems. Successfully extended Hire2Retire support to 10 additional HR management systems, including BambooHR, Zoho
- Enhanced Hire2Retire capabilities to support seamless integration with critical IT solutions such as JIRA and ServiceNow, used by its potential clients, to better serve client needs.
- Designed and Implemented SCIM protocol in our product to streamline user identity management, enhancing user provisioning and synchronization across multiple platforms.
- Designed and developed login and sign-up page for our flagship product, Hire2Retire

Key Tech deliverables

- Optimized multiple APIs in our product to enhance response times and efficiency, achieving a 60%+ improvement in server performance and user experience.
- Designed and Implemented a **CSS quality gate** to enforce coding standards and improve codebase maintainability, leading to a 35% reduction in front-end bugs.
- Designed and Implemented **CI/CD Pipelines** to create images, apply Helm and take database data dump reducing manual work by 78%.
- Design and implement SonarQube to enhance code quality check for our codebase

Skills

Programming Languages

JavaScript **|** Typescript | Java

Frontend / Backend / Database

HTML | CSS | Angular | React | NodeJS | Express | Rest api|
Npm| MySQL

Developer Tools and Others skills

Docker | Kubernetes | GitHub | Jenkins |

Personal/College Projects

JSON Validator

- Technology : Angular , JavaScript , HTML , CSS
- Developed a web application for inspecting and visualizing JSON data through a graphical interface, incorporating JSON comparison features widely used by developer .

Restaurant management system

- Technology : Angular , MySQL , NodeJS , JavaScript ,
- Developed a web-based restaurant management system The system facilitates table reservations, menu management, and order processing, enhancing operational efficiency.

Facial emotional recognition using Machine Learning

- Technology : OpenCV , CNN , Python
- This project aims to predict facial emotions in real-time. This project uses a Convolution Neural Network (CNN) to train itself for emotions like anger happiness, sadness, neutral, etc. Facial frames in real-time are extracted using OpenCV and then passed through the CNN model to make predictions.

Notable Achievements

- Recognized as the best team-player for outstanding performance and commitment to the team in 2022 & 2023.
- Voted best mentor of the year by summer interns in 2023
- Presented research findings on IoT-Based Smart Security and Home Automation Systems at the International Conference on Science Engineering and Technology (ICSET) showcasing innovative solutions and contributing to advancements in the field.
- Promoted to Software Engineer in record 3 months(half the usual 6-month period) due to strong technical skills.

Certificate

- INTEL: AI from the data center to the edge intel A.I Master the skills of implementing AI solutions from data centers to edge devices with Intel's technology. link
- ICSET: IoT-Based Smart Security and Home Automation Systems Gain expertise in IoT applications for enhancing home security and automation systems. link
- NIIT: Post Graduate Program in Software Engineering – java Specialization Develop advanced software engineering skills with a focus on Java programming. link
- AWS: AWS Fundamentals: Going Cloud-Native Learn the essentials of building scalable and efficient cloud-native applications using AWS. link
- Atlassian university: Agile with Atlassian Jira link
- GUVI: Step into robotic process automation v2.0 Dive into the world of robotic process automation and learn to streamline business processes effectively link
- IBM : Introduction to Artificial Intelligence (AI) link
- GUVI: Games development using PyGame Acquire practical skills in game development through hands-on projects using PyGame link