SAGAR P H

JUNIOR SOFTWARE DEVELOPER

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Junior Software Developer with more than 2 years of experience. Good at working in teams, solving problems, and communicating clearly. Always ready to learn new things and help others. Works well in fast-paced environments and takes responsibility to get the job done on time. Positive, dependable, and eager to grow.

EDUCATION

Don Bosco Institute of Technology, India   **CGPA: 7.91**
Bachelor of Engineering - Computer Science and Engineering, 2018
Coursework:- Data Structures and Algorithms, Robotic Process Automation, OOPs, DBMS

WORK EXPERIENCE

Inventys Technologies Pvt Ltd.   **2023 - PRESENT**
Junior Software Developer   Bangalore, Karnataka, India

- Contributed to the development of RPA platform for automating workflows across desktop (C#) and web systems (JavaScript).
- Engineered backend services to enable seamless inter-process and inter-component real-time communication between C#, Python, and JavaScript modules utilizing Redis Pub/Sub.
- Designed an internal Electron + React–based workflow studio enabling interactive, executable workflow creation and editing, with breakpoint-based debugging for step-by-step execution and runtime issue diagnosis.
- Developed Python scripts for data analysis, processing and transformation using algorithms and libraries.
- Assisted in building internal modules, creating technical documentation, and actively assisting in planning, building, Testing, code reviews, and daily scrums.

PROJECTS

Data Security Using Efficient Cryptosystem Technique - [Java, JSP, Cloud, ECC Algorithm]

- Developed a secure network-based text file sharing service using Elliptic Curve Cryptography (ECC).
- Ensuring data confidentiality and secure transmission, decryption key securely delivered via email to authorized recipients.
- Implemented ECC-based encryption and key exchange mechanisms to protect files from unauthorized access.
- Achieved high security with efficient key sizes, leveraging ECC to optimize performance and reduce computational overhead.

Chat Web Application – [Python, Django, Docker, SqlLite]

- Built a Dockerized real-time chat application using Django, Redis, and WebSockets for scalable message delivery.
- Implemented secure user authentication and private messaging features.
- Enabled end-to-end encrypted communication to ensure data privacy and security.

SKILLS

- Programming Languages:- Python, C#, JavaScript, Java
- Frontend:- HTML/CSS, React.js, Angular.js, Electron.js
- Backend:- Node.js (Express.js), Django, ASP .NET, Spring Boot
- Database:- MongoDB, MySQL
- Tools:- Docker, Nginx, Redis, Git, Jira, Chrome Dev Tools
- Others:- Web Sockets, RESTful API

HONORS AND AWARDS

- Built personal projects using **MEAN stack**, **Django Web Apps** with source code and **Docker Packages** hosted on GitHub.
- Solved 500+ algorithmic problems on **LeetCode** and **HackerRank**, demonstrating strong problem-solving and DSA proficiency.