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Prasanth S

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EXPERIENCE

Associate Software Developer **iQGateway** **01/2025 – Present**

- Developed and deployed RESTful API endpoints for data science applications using FastAPI and Django.
- Optimized backend data processing pipelines, achieving a 20% performance gain and reducing memory load.
- Utilized Docker containers to create reproducible, isolated environments for backend deployment.
- Improved model reliability by debugging the data pipeline and resolving critical performance bottlenecks.
- Managed the end-to-end development of APIs, ensuring system scalability and maintainability.

Software Developer(contract) **Ekarth Ventures Pvt Ltd** **10/2023 –01/2024**

- Developed fintech API endpoints using Python, **Django** REST Framework, and **JWT** authentication for secure, scalable platform infrastructure.
- Implemented **Centralized Authentication Service** enhancing system-wide security and user management processes.
- Engineered **RESTful API** solutions with optimized performance, clean architecture, and seamless backend service integration.

Software Developer Intern **Software AG** **06/2023 – 06/2024**

- Contributed to **webMethods**, Software AG's flagship integration platform, by developing core features using **Java** and **Spring Boot** for enterprise-level data integrations.
- Optimized SQL queries, improving database performance and solving client-side issues.
- Implemented **Docker-based CI/CD** solutions using **Jenkins**, resulting in zero-downtime deployments.
- Solved complex issues related to PostgreSQL, resulting in a 5% increase in system reliability.

Bachelor's degree in Information Technology. **GTEC, Vellore** **11/2020 – 06/2023**

- GPA: 8.5/10.

SKILLS

- **Programming Languages:** Python, Java, JavaScript
- **Frameworks:** Django, FastAPI, Next.js
- **Data Management:** MongoDB, PostgreSQL, MySQL
- **Tools and Technologies:** Git, Jenkins, Docker
- **Cloud Services:** AWS (EC2), GCP
- **Others:** RESTful API, Object-Oriented Programming, Problem-Solving

PROJECTS

- **Resume Analyzer and Job Recommendation System**
 - Built a full-stack application for resume analysis with a Next.js frontend and FastAPI microservices.
 - Implemented a predictive ML algorithm to score and rank resumes against target job descriptions.
 - Leveraged a Large Language Model (LLM) API to provide users with advanced resume improvement strategies.
 - Established an API Gateway to serve as a single-entry point for all backend services, ensuring efficiency.
 - Engineered the complete system connecting the UI, microservices, and AI models for a seamless workflow.
- **Task Manager Web Application**
 - MERN Stack (MongoDB, Express.js, React, Node.js), OAuth [Link](#)
 - Built backend with Node.js and Express.js, and frontend components using React.js, enable task management features such as creation, updating, and deletion of tasks.
 - Ensured data consistency and integrity across all user interactions by managing the MongoDB database.

ACHIEVEMENTS

- **Enhanced User Experience:** Improved **API** functionalities, contributing to better user satisfaction
- Recognized for the ability to integrate cutting-edge technologies in diverse projects.