MAHENDRA PRATAP SINGH

Senior Software Engineer

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⌗ GitHub

SUMMARY

Currently working as a senior software engineer at Applite Solutions LLC , I possess robust experience in Python, Django, Flask, FastAPI. In the realm of databases, I've seamlessly worked with MySQL, MongoDB, and PostgreSQL. With over 5+ years of development expertise, I've contributed to the creation of ecommerce and banking applications, providing robust back-end support.

EXPERIENCE

Senior Software Engineer

Applite Solutions LLC

📅 01/2024 - Present   📍 Dehradun, UK

Responsibilities

- **Design and Develop**: Architect robust backend systems and microservices using Python to meet the needs of product-based clients in the health domain.
- **Database Architecture**: Create and optimize database structures, ensuring efficient data storage and retrieval using SQL and NoSQL databases.
- **Code Quality**: Implement best practices for coding standards, code reviews, and maintainability to ensure high-quality software delivery.
- **API Development**: Design and develop RESTful APIs to facilitate seamless communication between front-end and back-end systems.
- **Performance Optimization**: Analyze and optimize application performance, identifying bottlenecks and implementing efficient algorithms.
- **Testing**: Develop unit tests and integration tests to validate functionality and ensure robustness of the application.

Senior Software Engineer

Ollosoft Technologies Pvt Ltd

📅 08/2022 - 01/2024   📍 Jaipur, RJ

Responsibilities

- I successfully delivered a banking support project by migrating a PHP project to Python, utilizing the Django framework.
- I managed both the frontend and backend aspects of the banking support project, redesigned web page screens, and seamlessly integrated various APIs.
- I delivered a comprehensive tracker system for a bank statement automation project, effectively managing cases from the client side while implementing various features.
- I conducted the bank statement automation project in collaboration with Azure.
- I am responsible for the maintenance of client projects, ensuring rapid deployments.
- I promptly address and resolve bugs and issues in client projects and collaborate with cross-functional teams to define designs and implement new features.

SKILLS

| Core + Advanced Python | Flask | Celery/Redis | FastAPI |

| Django | HTML/CSS/JS | Bootstrap | Ajax/Jquery |

| PostgreSQL | MongoDB | MySQL | Basics of Docker |

| Azure Blob | AWS |

ACHIEVEMENTS

- Achieved Certificate, Hackathon of NASA space App Challenge 2018.
- College Representative In Oasis At Bits, Pilani 2017.
- Cleared final round of RTU-Poornima Hackathon-2021.
- Organize University event Science Symposia 2018-19.

EDUCATION

Master's In Computer Applications

Poornima University

📅 08/2020 - 05/2022   📍 Jaipur, RJ

Bachelor's In Computer Applications

ICFAI University

📅 08/2016 - 05/2019   📍 Jaipur, RJ

INTERESTS

- Games (strategic and simulation)
- Eagerly following and participating in advancements in cloud services and platforms.

Associate Software Engineer

Daffodil/Unthinkable Solutions LLP

📅 01/2022 - 08/2022 📍 Gurugram, HR

Responsibilities

- I worked on Flask, Django, and FAST API projects, managing client projects for backend support, and building Python APIs using various frameworks.

- Optimized the bulk data loading process in the project by leveraging Celery in conjunction with a Redis Server.

- I integrated third-party APIs for Multi-Factor Authentication, including SendGrid, SendBird, Google Auth, Auth0, Okta, and Facebook APIs.

- Implemented caching in a Flask project using a Redis server and incorporated API versioning.

- I was responsible for bug resolution, issue troubleshooting, and debugging APIs.

Associate Software Engineer

Santech Technosoft Pvt Ltd

📅 08/2019 - 08/2020 📍 Jaipur, RJ

Responsibilities

- I worked for a US-based product-oriented IT company specializing in the healthcare domain, providing solutions for the healthcare industry.

- I managed and transformed provider data, performing ETL processes to load bulk data into the system.

- I worked on various Python APIs and was responsible for debugging and testing the API code.

- I developed fast and responsive APIs using the Flask and Django frameworks.

- I constructed core APIs for the fundamental components of web applications and also created an ETL process to map unstructured customer data into structured formats within the application.

- I constructed a Chatbot and Speech Recognition API, utilizing machine learning libraries such as PyAudio, NLTK, and Fuzzy for enhanced functionality.

- I was responsible for extracting and filtering data from the SQL Server.

- I was responsible for mapping client data files to the application using an ETL (Extract, Transform, Load) process.