



KIRTI RAWAL

Code Craftsmanship in the Digital Realm: A Software Engineer's Journey to Innovation and Excellence

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Summary

2 Years Experienced Python developer passionate about open source projects. Fluent in Python, interested in DevOps and Data Science implementation; skilled in *implementing, leading development and improving

Experience

Continental

Software Engineer

Bangalore, INDIA

April 2022 - Present

- Designed a testing tool with Python on five servers via API endpoints for scalability.
- Migrated backend from local to AWS ECR, and MySQL to PostgreSQL using API-driven data migration.
- Developed and integrated a secure, robust, and dependable web application using the Django Web Framework and REST API structures.
- Implemented a continuous integration and delivery (CI/CD) system with automated tests to ensure bug-free code accuracy
- Optimized code for performance and reliability, resulting in a 70% reduction in application load times using the aiohttp library.
- Created automated scripts to fetch data from the Test Management Server and integrated it with the Client Tool, boosting application scalability and reducing development time by 50%.
- Implemented an automated testing platform, increasing software development speed by 60% and reducing bugs.
- Utilized AWS for cloud hosting, ensuring reliable and scalable performance, leading to improved user experience and customer satisfaction.

<https://www.continental.com>

Education

Ramaiah Institute of Technology

Electronics

8.6

Engineering

August 2017 - August 2021

<https://www.msrit.edu/>

Projects

Logistics Management Project - Freelance Project

Developed a comprehensive logistics management system using Python and Django.

- Implemented features such as warehouse management, fleet tracking, and order processing.
- Integrated databases for receiving data to perform CRUD operations, adhering to coding standards.
- Gained experience with virtual environments, debugging practices, and PostgreSQL.
- Demonstrated strong teamwork abilities and effective communication skills while collaborating with the client, resulting in a 20% reduction in operational costs for the client

Python, Django, POSTgreSQL, AWS

E-commerce WebSite using Django

- Developed a fully functional e-commerce platform using Django, featuring user authentication, product catalog, shopping cart, and secure payment integration (Stripe).
- Implemented a responsive design for optimal user experience across devices.
- Received positive user feedback on website usability and performance, with a 15% increase in user engagement and a 10% increase in sales within the first month.

Skills

Python, Java, Pandas, Numpy, matplotlib, Git, Github, Docker, MySQL, JIRA, HTTP

Languages

English

Hindi

Kannada

Tamil