Rohan Pawar

Python Developer

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SUMMARY

Experienced **Python Developer** with **over 2 years** of experience in **Python/Golang**, specializing in cloud architecture, microservices, and RESTful APIs and innovative software development. Proficient in Docker, Kubernetes,and CI/CD pipelines, with a proven ability to design, develop, and maintain scalable, high-performance applications.Highly skilled in Infrastructure as Code(IaC), secure infrastructure design, and leading impactful, innovative projects. Adept at collaborating with cross-functional teams to implement best practices in software development, troubleshooting, and debugging. Agile, innovative, and adaptable, with a proven track record of success in Infrastructure as a Service (IaaS) security, Microservices architecture, and AI-driven solutions.

TECHNICAL SKILLS

Programming & Scripting: Python, Golang, Shell Scripting
Web Development APIs: Django, Flask, FastAPI, REST APIs,
Data Analysis: NumPy, Pandas, Data Mining and Cleaning
Data Visualization: PowerBI, Tableau, Excel, Matplotlib, Seaborn
Data Science: LLM, Machine Learning, Deep Learning, GenAI, natural Language Processing, Computer Vision
DevOps & Tools: IBM Cloud, Docker, Kubernetes (K8s), Tekton, Jenkins, GitHub, Git, Travis CI, Postman, Linux
Architecture & Databases: Microservices, Monolith, MySQL, MongoDB, RESTful APIs, gRPC, Configuration Management Database (CMDB)
Cloud Platforms: IBM Cloud, Cloud-based container technologies, Azure, AWS
DevOps & Tools: IBM Cloud, Docker, Kubernetes (K8s), Tekton, Jenkins, GitHub, Git, Travis CI, Postman, Linux
Continuous Deployment & CI/CD: CI/CD pipelines, IBM Log Analysis with LogDNA,Travis CI, Git, Jenkins
Development & Collaboration Tools: Agile (Scrum/Kanban), DevOps, Jira, Confluence, Anaconda, PyCharm, Jupyter Notebook, VSCode

EXPERIENCE

Software Engineer *Dec 2022 – Present*
Infinite Computer Solutions, Bengaluru, India
Python Developer, IBM Cloud(Client)
Project: IaaS Security and Compliance Automation

1. Designed and developed Cloud-native microservices in **Python** to automate security compliance checks for applications hosted on **IBM Cloud**, achieving a 100% audit success rate with zero breaches.
2. Created and implemented **Python** solutions to streamline the collection of data, significantly improving the speed and precision of information retrieval.
3. Developed a **microservice** leveraging **JIRA RESTful APIs** and **JQL queries** to automate the generation and publishing of project management reports, reducing report creation and publishing time by **90% (from 12–15 hours to 30 minutes)**, minimizing manual efforts, and eliminating human errors, with seamless integration to **Confluence** for centralized access.
4. Automated manual tasks, optimizing resource utilization, which reduced operational costs by 15% and infrastructure costs by 45% through the implementation of container-based infrastructure with Docker and Kubernetes.
5. Improved server provisioning by 20%, streamlining maintenance via IBM Cloud Object Storage (COS) buckets.
6. Re-engineered a Python-based project with Go microservices, reducing execution time by 60% and boosting system efficiency.
7. Partnered with diverse teams to identify and resolve issues within the Virtual Locker application, making code adjustments to improve its functionality while upholding data security and integrity.

KEY RESPONSIBILITIES

1. Design and develop cloud-native applications with **Python**, **Docker**, and **Kubernetes** to create scalable solutions.
2. Collaborate with teams to integrate **microservices** and **RESTful APIs**, ensuring smooth deployments through **CI/CD pipelines**.
3. Conduct **code reviews**, provide feedback, and uphold **coding standards** to ensure high-quality code.
4. Troubleshoot production issues, optimizing for **performance**, **scalability**, and **security**.
5. Attend meetings to gather **requirements**, create **implementation plans**, and communicate **technical details** effectively.
6. Document **workflows**, **code execution**, and **system architecture** for clarity and knowledge sharing.
7. Use **JIRA** for issue tracking and **Git** for version control to streamline development processes.
8. Implement **logging** and **monitoring** with **IBM Log Analysis** with **LogDNA** for enhanced observability.
9. Apply **Agile methodologies** (**Scrum/Kanban**) for efficient project management.
10. Solve and debug complex issues confidently, utilizing strong **analytical** and **problem-solving skills** to support clients and team members.

PROJECTS

Deep Learning Approach for Brain Tumor Classification Using MRI Images
Project Detail: This project focuses on developing a system that utilizes advanced computer-based procedures to detect and classify brain tumors from MRI images of various patients. Central to this system is the **Convolutional Neural Network (CNN)** algorithm, which efficiently analyzes the images to identify tumor blocks and determine the specific type of brain tumor. By enhancing diagnostic accuracy, this initiative aims to support healthcare professionals in making timely and informed treatment decisions, ultimately improving patient outcomes in the field of oncology.
Environment : Google Colab, **Python**

Education

Center for Development of Advanced Computing, Noida, India
Post-Graduation Diploma in **Artificial Intelligence**, 2022

Dr.Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India
Master of Engineering, 2018 - 2020

Languages

- **English**
- **Hindi**
- **Marathi** [Native]
- **German**[Basic] - Learning