ROHAN
Python Backend

👤 Profile

Results-driven Python Developer with 5 years of experience specializing in back-end solutions, automation, and scalable web applications. Proficient in Python, Django, and cloud technologies, with hands-on experience in CI/CD, containerization (Docker, Kubernetes), and database optimization. Recognized for enhancing software efficiency by 30% and streamlining deployment pipelines. Passionate about leveraging technology to drive business success and optimize system performance.

🎓 Education

📅 **08/2018** 📍 **PRAYAGRAJ, INDIA**
Electronics & Communication Engineering | B.tech
A.P.J.A.K. Technical University

Academic Project

- Web Scraping Tool Using Python and Beautiful Soup

- Data Collection Web Application (Django, Flask, PostgreSQL)

- Volcanic Activity Population Map

  Data Analysis and Visualization

- Image and Video Processing Using Python and OpenCV

- Secure Login System (Python, Django)

🏆 Awards

Technical Trailblazer
Crosslynx US LLC
Recipient of the Technical Trailblazer award from Crosslynx US LLC for demonstrating exceptional innovation and leadership in the field of technology.

Selected Projects

Automated Testing Solution (ATS) Project
- Delivered real-time test case updates, enhancing user monitoring and feedback efficiency.
- Followed through log capture in build artifacts for improved post-build analysis.
- Optimised test case execution times by 30% to streamline workflows.
- Integrated live test evaluations into the Azure CI/CD pipeline for faster error resolution.
- Centralized test results in a secure database for seamless data analysis.
- Conducted error encrypt analysis to ensure reliability and accuracy of meter testing.
- Supported diverse testing frameworks, aligning with client-specific requirements.

Development of DI. App Services
- Implemented pipeline on Azure (ADS) and performed unit testing for evolved code
- Scripted Python code using Pandas and NumPy for internal projects
- Developed and executed MySQL queries for data management in databases
- Created and standardized try out plans and cases
- Identified and documented bugs, maintained test records, reports, and operations
- Collaborated with senior engineers in conducting meticulous code reviews and providing valuable feedback, contributing to a culture of continuous improvement and knowledge sharing within the development team.

The Supply Chain
- Enhanced and maintained web applications using HTML, CSS, JavaScript, Django Template Language, and jQuery for optimal performance.
- Utilized Pandas for efficient data wrangling and manipulation, enabling dynamic data analysis and streamlined integration into web applications.
- Developed data pipelines to clean, transform, and analyze large datasets, improving data accuracy and usability.
- Collaborated with cross-functional teams to design innovative solutions and deliver new features, leading to improved user experience and customer satisfaction.

Selected Projects

- Built a Django-based web application that boosted client data management efficiency by 40%, incorporating advanced data processing to enhance data-driven insights.

Skills

PROFESSIONAL SKILLS

- **SQL and NoSQL databases:** Expertise in working with relational databases such as PostgreSQL, MySQL, and Oracle, as well as NoSQL databases like Neo4j, MongoDB, Cassandra, and HBase..
- **Software Development:** Proficient in designing, producing, and deploying scalable software applications using Python, Django, and Flask.
- **Cloud Platforms:** Hands-on experience with cloud infrastructure, specifically AWS and Google Cloud Platform (GCP) for deploying containerized applications.
- **Technical Architecture:** Skilled in enforcing process improvement through multi-process architecture and optimizing performance using threading.
- **CI/CD Pipelines:** Experienced in building and maintaining CI/CD pipelines using Jenkins, Azure DevOps, and GitLab CI.
- **Testing :** PyTest, Selenium, Unit Testing, TDD
- **Containerization :** Docker, Kubernetes (basic), cloud infrastructure
- RESTful API development and integration

Strengths

Leadership, problem-solving, technical expertise

Effective Team Collaboration across diverse cultural backgrounds

Analytical Reasoning and Strategic Thinking

Proactive in Project Management and Process Improvement

Work Experience

10/2022 – 02/2025 ⦿ NOIDA, INDIA
Software Engineer
Confidential
Key Responsibilities
- Integrated real-time test updates into Azure PaaS CI/CD pipelines, reducing error resolution times and improving monitoring.
- Enhanced post-build analysis with automated log capture.
- Cut test execution times by 30% through optimized workflows and centralized results.
- Performed error encryption analysis for meter testing reliability.
- Developed Azure DevOps pipelines, Python scripts, and MySQL queries for data management.
- Standardized test plans and documentation in Linux environments.
- Led code reviews to ensure continuous improvement.
- Supported various testing frameworks using Bash scripting and HTTP protocols.

Key Achievements
- Enhanced testing efficiency and scalability, reducing execution times by 30%.
- Streamlined software deployment processes.
- Provided reliable, data-driven solutions through innovative development practices.
- Enforced robust CI/CD processes to ensure quality and efficiency.

12/2019 – 10/2022 ⦿ HYDERABAD, INDIA
Python Developer
Turbito Infotainment Pvt. Ltd.
Key Responsibilities:
- Developed web applications with Django, adhering to client specifications.
- Integrated secure REST APIs, SMS APIs, and payment gateways.
- Managed backend functions, including user authentication and email communication.
- Created responsive web pages using HTML, JavaScript, and SQL.
- Ensured performance and scalability through maintenance and optimization.

Key Achievements:
- Deployed Django applications on production servers, enhancing software architecture and client operations.
- Enhanced authentication systems, improving security and user experience.
- Built communication tools using HTTP protocols, increasing email delivery rates by 30%.
- Reduced system downtime by 20% through proactive maintenance scripting.
- Delivered high-performance solutions under tight deadlines, earning client commendations.
- Leveraged Git for efficient version control and collaboration.
- Utilized data visualization to support strategic decision-making.