

Nikhil Telang

Senior Python Developer

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Passionate and results-driven Python Developer with 3.3 years of hands-on experience in designing, developing, and deploying scalable applications and automation solutions. Proficient in writing clean, maintainable code and building robust back-end systems using Python and its frameworks such as Django and Flask. Skilled in integrating APIs, automating workflows, and working with databases like MySQL, PostgreSQL. Experienced in end-to-end project development—from requirement gathering to deployment and maintenance. Adept at collaborating with cross-functional teams, solving complex problems, and continuously learning new technologies to improve performance and user experience.

Skills

Python | Django | Flask | Fast | API Development | Agile Methodologies | Team building and motivation | Decision-making and | problem-solving | Conflict resolution | Delegation and task prioritization | Effective communication | Written and Verbal Communication | Presentation skills | Interpersonal and relationship-building skills | Project Management Tools (Jira, Dev Ops, Asana, Trello) | Time and Resource Management | Vendor management | Docker | Airflow | Kafka
CiCD Pipeline | Git | Celery | RabbitMQ | PySpark

Employment History

Data Engineer | Reserve Bank Information Technology, Mumbai

March 2025- Present

- Designed, built, and maintained scalable ETL pipelines using Python, SQL, and Airflow to support analytics and machine learning initiatives across multiple business units.
- Acted as a liaison between Data Science, Product, and Engineering teams to gather requirements, translate them into technical solutions, and ensure timely data delivery.
- Led data ingestion efforts from various external and internal sources (e.g., APIs, flat files, databases), ensuring data quality, validation, and consistency across systems.
- Developed and deployed modular, reusable Python libraries for common data transformation tasks, reducing redundancy and improving engineering efficiency.
- Managed sprint planning and delivery cycles for the Data Engineering and ML Ops teams, aligning backlog priorities with stakeholder requirements and timelines.
- Collaborated with DevOps and Infrastructure teams to optimize data storage and processing using cloud platforms (e.g., AWS, GCP, or Azure) and big data tools like Spark or Snowflake.
- Spearheaded improvements in data documentation and lineage tracking, enhancing data governance, compliance, and audit readiness across the organization.
- Proactively monitored production data pipelines and resolved real-time failures or performance issues to ensure uninterrupted data flow and reporting accuracy.
- Contributed to the design and rollout of a centralized data platform that improved cross-functional data access, reduced query latency, and enabled self-serve analytics.
- Presented project updates, key metrics, and delivery timelines to senior leadership, effectively managing stakeholder expectations and resource alignment.

Python Developer | Psychx86 Technologies, Mumbai

Dec 2021 – Dec 2024

- Designed and developed RESTful APIs using Python (Flask/FastAPI/Django) to support high-performance data access and integration across internal platforms and third-party services.
- Collaborated with frontend, mobile, and data teams to define API contracts, ensuring consistent, secure, and scalable data exchange across all endpoints.
- Implemented robust authentication and authorization mechanisms (OAuth2, JWT) to secure APIs and manage access control across various user roles.
- Conducted unit and integration testing using pytest and Postman to ensure reliability, maintainability, and bug-free deployments in CI/CD pipelines.
- Optimized API performance through request throttling, pagination, response caching, and asynchronous processing using asyncio and background workers (e.g., Celery, Apache Kafka).

- Managed API versioning and backward compatibility to support evolving product requirements while minimizing impact on existing clients.
- Integrated logging, monitoring, and alerting using tools like Prometheus, ELK, or Datadog to track API performance, usage patterns, and error rates.
- Documented API functionality using OpenAPI/Swagger specifications, enabling clear understanding for internal teams and external partners.
- Participated in code reviews, architecture discussions, and sprint planning to ensure best practices and cross-functional alignment in service development.
- Led deployment of Python APIs to cloud environments (AWS/GCP/Azure) using Docker and container orchestration platforms like Kubernetes or ECS.

Python Developer | Appzmine Tech Pvt Ltd, Nagpur

Dec 2019 – Mar 2020

- Designed and developed interactive desktop applications using PyQt5, delivering responsive and user-friendly interfaces for internal tools and data visualization dashboards.
- Translated complex business requirements into intuitive GUI components, integrating data inputs, tables, charts, and form elements for seamless user workflows.
- Implemented custom widgets and signal-slot mechanisms to enable real-time interactivity and dynamic content updates within applications.
- Integrated PyQt5 applications with backend services and APIs to provide synchronized data access and updates across systems.
- Optimized application performance by minimizing UI redraws, implementing multithreading (QThread), and managing long-running tasks without blocking the interface.
- Led end-to-end development of standalone executables using PyInstaller, ensuring smooth deployment and cross-platform compatibility for non-technical users.
- Created modular, maintainable GUI codebases by applying MVC/MVVM design patterns and adhering to PyQt5 best practices.
- Collaborated with product managers and domain experts to iterate on application features, improving usability and business value based on user feedback.
- Developed testing frameworks for PyQt5 applications, including unit and integration tests for UI logic and event handling.
- Documented UI architecture, component behavior, and deployment instructions to support knowledge sharing and future maintenance.

Education

Master's Of Computer Application | G.H. Rasoni Institute of Information Technology, Nagpur

July 2016 – Aug 2021

Percentage : 80.00%

Bacher's Of Computer Application | Sw.Rupershkumar Ingole College of Technology, Yavatmal

Jun 2016 – Jun 2019

Percentage : 61.03%

Projects

Large-Scale Notification System | SaaS Domain

2021-2024

- Developed a scalable notification delivery platform supporting multi-channel communication (Email, SMS, Web Push, WhatsApp) via API integrations.
- Collaborated with clients to analyze requirements and design tailored notification workflows aligned with business use cases.
- Engineered high-throughput event processing using Apache Kafka for real-time message streaming and traffic management.
- Designed and exposed RESTful APIs for third-party integration, accompanied by detailed Swagger documentation for ease of adoption.
- Architected the system using a microservices approach to enable modularity, scalability, and ease of maintenance.
- Containerized all services using Docker and orchestrated deployments via Kubernetes to ensure consistent and reliable environments.
- Implemented Apache Airflow for scheduling and automating notification delivery based on user-defined rules and conditions.
- Built CI/CD pipelines using Jenkins to streamline deployments, testing, and version control in a production-grade infrastructure.

- Introduced a Maker-Checker approval mechanism to enable secure, auditable workflows before message dispatch.

Technologies: Python, Flask, Kafka, RabbitMQ, Celery, Airflow, Docker, Jenkins, Kubernetes, REST APIs, Microservices

Languages

English | Hindi | Marathi