Imran Khan

Senior Software Engineer

✉ immu1106@gmail.com   ☎ +91 8939455190   ⦿ Bangalore, India   in linkedin.com/in/imrankhan06

🪪 PROFILE

Seasoned **Python Developer** with 8+ years of hands-on experience building high-impact, scalable software solutions. Specializes in designing full-stack web applications, cloud-native architectures, and robust data pipelines across diverse industries including aerospace, manufacturing, and finance.

- **Full-Stack Engineering**: Expert in Python, Flask, Django, and FastAPI for building secure and responsive applications
- **DevOps & CI/CD**: Proficient in GitLab CI/CD, Jenkins, Docker, and Kubernetes for seamless automation and deployment
- **Database & Caching**: Strong experience with PostgreSQL, MongoDB, Redis for optimized data storage and retrieval
- **REST API Design**: Expertise in building RESTful services following OpenAPI standards
- **Microservices Architecture**: Designed and implemented scalable, communicative microservices systems
- **Code Quality & Testing**: Committed to clean, testable code with Pytest, SonarQube, and strong code review culture
- **Debugging & Troubleshooting**: Proven ability to debug complex issues and optimize performance bottlenecks
- **Cross-Team Collaboration**: Effective at translating technical concepts for diverse audiences

Driven by innovation and passionate about solving real-world problems through technology that delivers measurable business value.

💼 PROFESSIONAL EXPERIENCE

02/2024 – present
Bangalore, India

SII India IT & Engineering Services Pvt Ltd (Client: Airbus, France)
Senior Software Engineer
Leading end-to-end development of mission-critical engineering tools for **Airbus** through **SII Group**, enhancing operational performance, data integrity, and system efficiency.
- Architecting scalable solutions using **Python**, and **FastAPI**.
- Driving DevOps excellence with **GitLab CI/CD**, **Docker**, and **SonarQube** for quality and automation.
- Delivering production-grade tools adopted across Airbus' internal engineering workflows.

Key Deliveries:
- **OPCTool**: Interactive desktop tool to transform aircraft data into real-time operational insights.
- **PASTIS**: Dynamic project & task management web app with real-time updates and role-based control.
- **ICDVCOM**: Automation engine for ICD generation (.xlsm) with smart editing and export features.
- **Euscadi**: ICD management system with validation logic and error analytics to ensure data consistency.

Stack: Python3, FastAPI, PySide6, Docker, GitLab CI/CD, SonarQube, Pytest

12/2022 – 02/2024
Bangalore, India

Axilwits IT Services
Python Developer
Driving the digital transformation of Cisco's manufacturing systems by delivering cloud-native, automated, and highly scalable solutions.
- Led backend engineering for **Apollo Cloud 3**, a modern cloud-based platform powering next-gen manufacturing pipelines.

- Replaced physical test stations with a **Kubernetes** solution, accelerating hardware delivery and diagnostics.
- Delivered automation and reliability at scale using **Python**, **Docker**, and **Kubernetes**

Key Deliveries:
- Developed and deployed microservices for test automation and orchestration.
- Wrote production-grade Python code with unit tests using **Pytest**.
- Containerized services and integrated them into a CI/CD pipeline.
- Collaborated with cross-functional teams to translate operational needs into working systems.
- Optimized existing scripts to boost performance and maintainability.

Stack: Python, Docker, Kubernetes, Pytest, Git, CI/CD

11/2020 – 11/2020 Cochin, India	**Electronikmedia** Senior Python Developer Led backend development for innovative **SaaS platforms** focused on seamless **ETL automation** and real-time data synchronization across diverse data sources.

- Engineered scalable pipelines for extracting, transforming, and loading structured and semi-structured data.
- Designed microservice APIs and backend logic to support real-time client data operations.
- Delivered stable and extensible codebases that improved system reliability and processing speed.

Key Deliveries:
- Built core ETL infrastructure using Python and RESTful APIs for seamless data operations.
- Integrated backend services with UI modules in collaboration with front-end teams.
- Mentored junior developers and ensured code quality through reviews and pair programming.

Stack: Python, REST APIs, SaaS Architecture, ETL, Git, Agile/SCRUM

07/2019 – 11/2020 Chennai, India	**Prowesstics IT Services** Python Developer Built secure, scalable ETL pipelines for financial data systems, enabling clean and reliable data flow across critical business processes.

- Developed and managed **Apache Airflow** workflows for scheduling and orchestrating ETL pipelines.
- Designed end-to-end data pipelines for extraction, transformation, cleansing, and enrichment.
- Ensured data accuracy and system stability through validation, logging, and error handling mechanisms.

Key Deliveries:
- Implemented robust data quality checks and automated alerting.
- Optimized workflow performance to reduce processing latency.
- Contributed to seamless data integration across internal platforms and client systems.

Stack: Python, Apache Airflow, ETL, Data Cleansing, Validation, Git, Agile

01/2018 – 06/2019 Chennai, India	**Codoid** Software Developer Optimized physical asset management systems to enhance lifecycle tracking and asset utilization for organizations, ensuring efficient operations and cost savings. Developed scalable backend systems and APIs to support real-time asset data tracking and management. Led the design and deployment of asset management solutions, integrating monitoring systems for enhanced operational visibility. Key Deliveries:

- Developed CRUD operations for asset tracking using Active Record, streamlining asset lifecycle management.

- Designed and deployed API systems with fast HTTP servers and AWS architecture for real-time data access and integration.
- Collaborated across teams to integrate backend modules with front-end systems, enhancing user experience and system functionality.
- Configured monitoring scripts for AWS EC2 instances to ensure system uptime and optimize performance.

Stack: Python, Django, AWS, MySQL, API Development, Git, Agile

03/2016 – 01/2018
Chennai, India

Sutherland Global Services

Workforce Planning Associate

Specialized in automating scheduling and forecasting processes, leveraging R and Python to deliver efficient and accurate data-driven solutions.

Developed interactive web applications using R (Shiny) to improve forecasting accuracy and enable seamless user interactions.

Applied advanced time series forecasting techniques to predict trends and optimize scheduling operations.

Key Deliveries:

- Automated scheduling and forecasting workflows using R and Python, improving efficiency and decision-making.
- Built and deployed R Shiny applications to visualize forecasting models and enhance user experience.
- Implemented time series forecasting models including ARIMA, Exponential Smoothing, Neural Networks, and Holt-Winters for accurate demand prediction.
- Enhanced statistical models through data filtering, cleaning, and sentiment analysis techniques.
- Contributed to the development of machine learning strategies to improve data insights and forecasting accuracy.

Stack: R, Python, Shiny, Time Series Forecasting (ARIMA, Neural Networks, Holt-Winters), Data Cleaning, Sentiment Analysis, Machine Learning Basics

🧠 SKILLS

Python	● ● ● ● ●	Django	● ● ● ● ○
Fast Api	● ● ● ● ○	Flask	● ● ● ● ○
Kubernetes	● ● ● ● ○	AWS , Google Cloud	● ● ● ○ ○
MongoDB	● ● ● ● ○	PowerBI	● ● ● ● ○
GIT	● ● ● ● ●	Postgresql	● ● ● ● ○