
PRATIK SHINDE

SENIOR DATA ENGINEER

Pune, Maharashtra 411038 ♦ +91 9767704126 ♦ pratikshinde1005@gmail.com ♦
LinkedIn: <https://www.linkedin.com/in/pratik-shinde-tech/> ♦ **WWW:** <https://pratikshinde.info>

PROFESSIONAL SUMMARY

Backend & Data Engineer with 5+ years of experience in building scalable distributed systems, microservices, and cloud-native data platforms. Strong expertise in Python, Core Java, Spring Boot, Apache Spark (PySpark), and Databricks. Proven experience in designing high-performance ETL pipelines, real-time data processing, and microservices-based architectures. Hands-on with Big Data ecosystems including Hadoop and distributed computing frameworks. Skilled in data structures, algorithms, performance optimization, and production-grade system design. Experienced in Agile Scrum, CI/CD, and test-driven development for delivering reliable and scalable solutions.

WORK HISTORY

Senior Data Engineer (Azure Data Engineer), 07/2023 - Current

Atlas Copco Private Limited – Pune

- Designed distributed data processing pipelines using PySpark on Databricks, handling large-scale IoT datasets with optimized partitioning, and parallel execution.
- Implemented microservices-based data ingestion and processing layers using REST APIs and modular architecture.
Applied advanced Spark optimization techniques (caching, partition tuning, join strategies) to improve performance and reduce execution latency.
- Worked with distributed computing concepts, including fault tolerance, lazy evaluation, and cluster resource management.
- Collaborated in Agile Scrum teams, participating in sprint planning, code reviews, and continuous delivery practices.
- Implemented robust debugging and RCA strategies for distributed systems, improving system stability.

Senior Software Developer (Python AI), 05/2022 - 07/2023

Thinkitive Technologies – Pune

- Developed scalable backend systems using Python, and applied OOP principles and design patterns for a modular and reusable architecture.
- Designed RESTful services aligned with microservices architecture patterns.
- Built performance testing frameworks and automated validation pipelines, ensuring system reliability.
- Containerized microservices using Docker, and deployed via CI/CD pipelines.
- Followed test-driven development (TDD) practices for improving code quality and maintainability.

Software Engineer (Python Developer), 10/2019 - 05/2022

Dynamisch IT – Pune

- Developed scalable backend applications using Python, Django, and JavaScript, following OOP principles and clean architecture practices.

- Designed and implemented modular, reusable components, and RESTful APIs to support core business functionalities.
- Applied data structures and algorithmic thinking to improve application performance, reducing response time, and enhancing efficiency.
- Built robust business logic layers, and handled end-to-end feature development across the application lifecycle.
- Performed code optimization, debugging, and troubleshooting to ensure high system reliability and stability.
- Integrated new technologies into existing systems, increasing capabilities and improving overall performance.

SKILLS

- Programming: Python, Shell Scripting (Linux/Windows), Core Java



- Backend Development: Django, FastAPI, Flask, REST API Development



- Data Engineering: Databricks, Azure Data Factory (ADF), ETL/ELT Pipelines



- Cloud Platforms: Azure, AWS, GCP (working knowledge)



Data pipeline design



EDUCATION

Bachelor of Engineering: Computer Science, 07/2019

Savitribai Phule Pune University - Pune, India

CERTIFICATIONS

Artificial Intelligence and Machine Learning, DRDO (Year)

HONORS

Always Delivered What is Promised, issued by CTIS Management, Dec 2024 (Associated with Atlas Copco Group), Employee of the Month, Dynamisch IT, Jan 2022 (for project delivery and team contributions)

WEBSITES, PORTFOLIOS, PROFILES

- <https://www.pratikshinde.info>