Pratik Bhor

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Proficient Software Developer with 3+ years of experience designing and implementing scalable solutions using **Python**, **Django/FastAPI**, **REST APIs**, and **MySQL**. Demonstrates expertise in cloud technologies, including **AWS** and **Docker**, with a strong focus on micro services architecture and **CI/CD** pipeline automation. Currently expanding expertise in cutting-edge backend technologies and architectures, including MACH-based platforms, to drive innovation and scalability. Eager to leverage skills in a backend engineering role to contribute to impactful, high-performance systems.

Experience

JAN 2023 – PRESENT

Full-Stack Web Developer/Freelance, Shirebrook, UK
- Delivered custom web solutions for startups and small businesses, including e-commerce sites, dashboards, and mobile-responsive interfaces using React, Tailwind CSS, and Django/FastAPI.
- Built robust, scalable APIs to support dynamic frontend features and efficient data processing, enhancing system performance and maintainability.

MAY 2024 – PRESENT

ICQA Associate/Frasers Group, Shirebrook, UK
- Conduct thorough investigations to identify and resolve stock discrepancies, utilizing **critical thinking**, **root cause analysis**, and **problem solving**.
- Designed and maintained **Power BI** dashboards, leveraging **DAX** and **Power Query** to create insightful reports, calculated metrics, and **KPIs** tailored to business needs.
- Automated data processing tasks using **VBA** and advanced Excel features like PivotTables, enhancing efficiency and consistency in reporting.
- Analyzed SQL data to identify trends, improve data accuracy, and develop scalable solutions for inventory optimization.

JULY 2021 – AUGUST 2022

Senior Software Developer/ServiceNet Technologies, Nagpur, India
- Collaborated with clients to design and deliver impactful software solutions using **React** and **Python**, aligning technical goals with business needs.
- Built a product scheme management web application with **Python/Django**, React, and MySQL to streamline dealer order workflows; integrated CCTV footage into a monitoring platform using Django, AWS Media Services, S3, and Boto3 for efficient cloud-based storage and playback.

- Designed and maintained modular, scalable microservices architecture using Django REST Framework (**DRF**), improving backend efficiency and system reliability.
- Applied full-stack development skills across the entire **SDLC** within an **Agile** Scrum framework, contributing to iterative feature delivery and continuous improvement.
- Employed Linux for scripting, server configuration, and deployment in both development and production environments, ensuring stable and secure operations.

JAN 2020 – JUNE 2021

Data Analyst /Enexion Energy, Pune, India
- Automated MSCONS/UDP meter data file analysis and developed a data manipulation tool using Python, SQL, **Pandas**, and **Matplotlib**.
- Developed impactful Power BI dashboards integrated with SQL Server to visualize predictive analysis of energy consumption for clients, focusing on future trends in electricity and gas.
- Expertly communicated complex insights by tailoring presentations to diverse audiences and collaborating with stakeholders to deliver customized data solutions.

NOV 2018 – FEB 2019

Intern /FUEL, Pune, India
- Applied Python scripting for exploratory data analysis involving data from over 1 million students in Maharashtra state.

Skills

Python • Django • Flask • AKS • ADO • SQL • REST API • GIT • JavaScript • HTML • CSS • Docker • AWS • Generative AI • Power BI • Microsoft Excel • Data analytics

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Education

DEC 2023

Master's in Computer Science/Nottingham Trent University, Nottingham, United Kingdom
MAY 2019

Bachelor of Computer Engineering/Savitribai Phule Pune University, Pune, India

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Projects

JUNE 2023

Stocks Application to Demonstrate REST API/NTU, UK
Built a stock trading web app using Django REST Framework (MVS), Docker, and AWS EC2, with real-time pricing, currency conversion, and share transactions. Frontend (HTML/CSS/jQuery) is hosted on GitHub Pages.

MAY 2023

[Application of AI in solving real-world problems](#) /NTU, UK
Developed and evaluated machine learning models (Random Forest, MLP, CNN) to predict obesity levels with up to 92% accuracy, leveraging data preprocessing and feature engineering techniques. Applied clustering algorithms to analyze obesity patterns and addressed ethical considerations in AI model deployment to ensure fairness and data privacy.

APRIL 2023

[Autonomous Car Steering Direction Prediction using Deep Learning Techniques](#) /NTU, UK
The study successfully used neural networks to understand visual input data and forecast steering angles through the application of a convolutional neural network architecture. Using a comprehensive training approach that included data preparation, hyper parameter tuning, and rigorous validation techniques, the model's performance was rigorously assessed.

JAN 2023

[File Management Software](#)/NTU, UK
Developed an application for file management using **Java** and **JavaFX**. Utilized Docker for distributed data storage, ensuring availability and security through encryption.

Certifications

Data Science • Python