ANKITA PURWAR

BA4 Python Developer

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Summary

Experienced Software Engineer with 7+ years of expertise in Python Full Stack Development and Data Analysis. Strong background in designing and developing scalable, high-performance web applications using ReactJS, Django, and Flask. Proficient in RESTful API design and Elasticsearch for building data-driven solutions that enhance user engagement and deliver actionable insights. Collaborative team player with a proven ability to optimise application performance and translate complex business requirements into efficient, maintainable systems.

Experience

Barclays
Bangalore
BA4 Python Developer
08/2022 - Present

- Developed and enhanced full-stack solutions with ReactJS frontend and Django/FastAPI backend, delivering cybersecurity tools for reporting and automation used by 100+ metric stakeholders.
- Engineered the CSO Cyber Reporting Tool with Django and ReactJS, enabling monthly cybersecurity metrics update by the 8th working day, improving reporting efficiency by 85%.
- Architected and built responsive UI for the RBI Cyber Dashboard, automating the submission and tracking of 182 critical Key Response Indicators and cutting manual reporting effort by 90%.
- Developed the Tenable Ad-hoc Scan Automation Portal by integrating front end scheduling with back-end scan execution, enhancing security risk assessment efficiency for over 50 weekly scans.
- Automated reporting and task scheduling using Python scripts orchestrated via Autosys jobs for reliable daily, weekly, and monthly cybersecurity and vulnerability reporting deployed in Azure Cloud.
- Collaborated with cross-functional teams on architecture, design, and deployment to ensure scalable, maintainable, and secure full-stack applications aligned with cybersecurity objectives.

HSBC
Pune
Software Engineer
06/2021 - 07/2022

- Increased MRM Dashboard and suite report performance by 80% by developing real-time insights using Plotly Dash integrated with Django.
- Implemented Elasticsearch search functions in Python handling multiple queries per day for fast, personalised data retrieval.
- Leveraged Pandas and NumPy for data cleaning, transformation, and statistical analysis, enabling efficient handling of large datasets.
- Implemented parallel programming in Python for high-performance processing and maintained version control through GitHub for code tracking and collaboration.

Tata Communications Ltd
Pune
Associate Software Engineer
07/2018 - 05/2021

- Developed network performance utilities using Python, PHP, HTML5, and JavaScript for real-time latency monitoring, IP reachability testing, and map-based visualization across Tata networks.
- Created Customer Usage Reports leveraging the API to present network performance metrics and insights to senior leadership, improving visibility into system reliability by 20%.

Education

MIT World Peace University
Pune
Bachelors in Computer Engineering
06/2015 - 05/2018

Skills

Python · ReactJS · Fast API · Flask · Django · Elasticsearch · Plotly Dash · Pandas · NumPy · JavaScript · Cloud Technologies · SQL   Azure

Key Achievements

Achievements

Pat on the Back Award @ HSBC