

Abdul S

Python Developer

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PROFILE

- Highly accomplished technology and **Python Developer** with over 6+ years of track record in leading multi-million-dollar solutions within **Software Development, Cloud Computing and AI/ML industries**,
- Proven track record of Architecting, and Delivering several end-to-end Digital Transformation and Cloud Virtualization solutions for Global Fortune 500 Enterprises like American Airlines, T-Mobile, AT&T, Verizon, etc.
- Strong working experience of all stages of software development using AGILE, Iterative Scrum, and Waterfall based Systems Development Life Cycle (SDLC)
- Strong proficiency in Python, including libraries like **Numpy, TensorFlow, PyTorch, Matplotlib, Tkinter, Regex**.
- Specialize in Data Modeling, **Statistical Analysis** and Data Analysis.
- Experienced in software automation using **Selenium, BeautifulSoup and Python Shell Scripting**.
- Expertise in **ML Model development, optimization** and executing business strategies, re-engineering processes to improve performance and model efficiencies.
- Skilled at developing **ML Model pipelines** for proper development and deployment into target markets, including development of effective strategies to ensure transparency, scalability, continuity, and ongoing support while capitalizing on revenue opportunities.
- Strong working experience of CI/CD including Git, **Docker and Kubernetes** Containerization, Cloud Technologies like **AWS, GCP and Azure**.
- Designed and implemented various database storage schema using **SQL and MongoDB**.
- Expert at developing software testing plan and QA. Worked extensively with **Google Tests**.
- Expert in JIRA Software, Code Hosting Software like Github, Bitbucket and Gitlab.
- Hands-on working experience with Office365 IT Administration platform.
- Experienced in web development technologies including **HTML, CSS, JavaScript and React JS**.
- Interfacing with Customers, Sales teams and Product Engineering teams to define solution requirements, presenting solution architectures and obtaining design acceptance/sign-off.

SKILLS

AI/ML

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Python, Numpy, TensorFlow, Pytorch, Matplotlib, Sci-Kit Learn, Pandas, NLP, OpenCV

Database

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SQL, Mongo DB

SDLC

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Jira, Doors, Github, Bitbucket, Gitlab

Cloud

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AWS, GCP, Docker, Kubernetes

Software Automation & Testing

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Selenium, BeautifulSoup, Pytest, Shell Scripting

Web Development

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HTML, CSS, JavaScript, React JS

C/C++

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STL, GNU Debugging, Google Test

Scripting

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Python Scripting, Shell Scripts, Linux Scripting

PROFESSIONAL EXPERIENCE

Software Engineer

01/2022 – present | TX, USA

Jet Blue Airways

- Spearheaded the development of a **Python-based flight data analysis** platform that processed and visualized real-time flight data streams.
- Utilized pandas and matplotlib to create **interactive dashboards**, enabling aviation engineers to monitor aircraft performance and identify optimization opportunities.
- Developed **Python scripts** to analyze air traffic data and identify congestion patterns at specific airports and air spaces.
- Built a **data pipeline** in Python to process crew performance data from flight simulators and operational flights
- Scheduled **regular report deliveries**, providing key stakeholders with actionable insights.
- Established an end-to-end **CI/CD pipeline**, automating the deployment of data model and code updates to GCP through GitHub Actions, ensuring a rapid and efficient development cycle.

- Designed and implemented file manipulation scripts to automate tasks like file renaming, organization, and data archival using the **os** and **shutil** modules.
- Implemented robust error handling mechanisms and logging strategies in **automation scripts**, improving fault tolerance and troubleshooting capabilities

Software Engineer

03/2018 – 12/2021 | TX, USA

Verizon Wireless

- Spearheaded **design, deployment, and management** of complete IP traffic tracing and Performance Monitoring infrastructure for entire Verizon Wireless 4G IMS Core Network
- Working closely with C-level Executives, **Product Development teams, Customer, and Sales teams** to conceptualize, design and deliver critical Product Features
- Developing performance reporting data feeds and system automation tools using **Python and LINUX shell scripts** for the service assurance platform
- Working closely with sales and pre-sales teams on **CRM systems** for managing customer engagement initiatives, technical issue resolutions, and sales activity related information
- Architecting **Business Processes, Process Workflows, Planning Documentations and Strategic Plans** to implement and improve the services offered by the Network Performance group
- Developed **shell scripts** to enable transformation from on-prem to cloud service.
- Led **code reviews** and improved existing coding guidelines.

EDUCATION

B.E. Telecommunication

Bengaluru, India

R.V. College of Engineering