

Saif Ahmad Kayani

+92332 9966 275 | saifahmedkayani@gmail.com

Professional Summary

Experienced Integration, Software and Big Data Engineer with a proven record of enhancing data efficiency and system performance. Proficient in software development, Big Data analytics, and database management. Skilled in scripting, SQL, and cloud technologies. Committed to delivering innovative solutions and driving business success through technology.

Experience

Software and Big Data Engineer, PIWorks Inc. (Turkey - Remote)

07/2023 – current

Responsibilities:

- Collaborate closely with the product delivery team to customize and deploy P.I. Works products on customer premises, optimizing network management and efficiency.
- Spearhead the development of mobile network automation use-cases, streamlining operational processes.
- Lead the design, development, and validation of P.I. Works product components, ensuring seamless integration with external systems.
- Innovate tactical data acquisition and processing solutions, enhancing data handling efficiency.
- Leverage extensive expertise in Big Data technologies, including working with large-scale hybrid transactional/analytical processing systems such as Oracle, Clickhouse, PostgreSQL, and others, to extract actionable insights from complex data sets.
- Employ bash and Python scripting to automate tasks, develop custom solutions, and process vast datasets efficiently.
- Craft intricate SQL queries, functions, and stored procedures to manipulate and extract valuable information from databases, contributing to data-driven decision-making.
- Designed, developed, and deployed robust ETL pipelines, automating data extraction, transformation, and loading processes to ensure accurate and timely data availability.

Integration and Support Engineer, Digitata Networks (US - Remote)

10/2021 – 07/2023

Responsibilities:

- Played a pivotal role in seamlessly integrating Digitata Networks' solutions into clients' existing systems, ensuring smooth implementation and minimal disruption to operations.
- Worked closely with clients to understand their unique requirements, providing expert guidance on system integration strategies and tailoring solutions to meet their specific needs.
- Executed the deployment of Digitata Networks' products, including setup, configuration, and troubleshooting, ensuring the successful implementation of software solutions.
- Conducted extensive user acceptance testing (UAT) and system integration testing (SIT) for all patches and releases, guaranteeing the compatibility and functionality of integrated systems.
- Managed server configurations, including the setup of new ADC terminals and the deployment of new products, optimizing system performance and reliability.
- Leveraged expertise in database scripting to facilitate seamless data flow between integrated systems, enhancing data accuracy and accessibility.
- Trained internal staff to ensure the availability of both primary and backup resources, contributing to a more resilient support structure.
- Monitored and updated channel operations, coordinating with IT teams, vendors, and business units to maintain efficient and uninterrupted operations.

Associate IT Alternate Delivery Channels, Mobilink Microfinance Bank, Islamabad
Responsibilities:

09/2018 – 10/2021

- Provide support for all applications on all Production Systems.
- Deployments and integration on all Production Systems.
- Performing User Acceptance Testing & System Integration Testing of all patches and releases.
- Management of Servers Configuration of new ADC terminals & deployment of new products
- Database Scripting (Oracle, SQL)
- Responsible for training internal unit staff to ensure that primary and backup resources are available.
- Monitor & update of Channel operations. Coordinate with I.T/Vendor/Business for a smooth operation.

Junior Developer, Extend.se, Islamabad
Responsibilities:

02/2018 – 09/2018

- .NET Development, Database Development & Application Deployments
- XML Mapping and Parsing

Junior Developer, NETTECH Pvt Ltd, Islamabad
Responsibilities:

10/2017 – 01/2018

- Desktop Applications Development

Skills:

Programming & Scripting:

- Development: C#, VB, SQL, HTML, CSS, JavaScript, Bash, Python
- Scripting: PowerShell, CMD, Linux Shell, Python

Data Engineering & Database Management:

- Databases: MS SQL, DynamoDB, Oracle, MySQL, Elastic Search, PostgreSQL, ClickHouse
- Data Engineering: ETL Pipelines, Data Modeling, Apache Airflow, Pandas, Anaconda Python, Hive
- Big Data: Hadoop, Kafka, Spark
- Business Intelligence & Reporting: PowerBI, Microsoft Excel, ComponentOne, Altova Mapforce

DevOps & Automation:

- DevOps Tools: Docker, Ansible, Podman, AWS, Jenkins, Terraform
- Automation & Orchestration: Apache Airflow, Ansible
- Version Control: Git, TFS, JIRA, Fork
- Containerization & Virtualization: Docker, Kubernetes, Vagrant, Virtualization

Quality Assurance & Testing:

- QA Tools: Selenium, JMeter
- Documentation: User Manuals, Test Cases, UATs, SITs

Infrastructure & Server Management:

- Server Management: Synchronization, Archiving, Storage Management, Firewalls
- Monitoring & Observability: Grafana, Zabbix, Prometheus

Education *BS Computer Science, University Institute Information Technology, UAAR*

2013 – 2017

Projects <https://github.com/saif-ahmad-k>