

# Zarka Fayaz

## Senior Python Engineer

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### Professional Experience

**Senior DevOps Engineer, Eonyx** February 2025 – present

- Data migration (duplication) from SQL to Elasticsearch using Python, optimizing search performance and reducing query times.
- Designed database schema and created associated ERD diagrams to model data structure efficiently.

**Senior Python Engineer, Orange Business Services** April 2024 – January 2025 | Gurugram, India

- Conducted code reviews to ensure quality, maintainability, and adherence to best practices, improving team productivity.
- Automated Service Now change management process using Python bots, facilitating efficient change implementation.
- Created a comprehensive KB and KPI dashboard for the Problem Management team enhancing reporting and support across multiple customer accounts.
- Developed a unified dashboard for the Change Management team, supporting multiple change managers using Python and Grafana for realtime monitoring and reporting.
- Automated bulk ticket closure and developed customer advisory bot using Python and ocean APIs.
- Developed automatic MAC health monitoring and notification system.

**Python Automation Engineer, Orange Business Services** March 2022 – March 2024 | Gurugram, India

- Developed network automation projects, including network audit, pre-configuration checks, and post-configuration actions.
- Utilized Python and APIs to generate customized reports from Cisco DNA Center (DNAC) and Identity Services Engine (ISE).
- Created Selenium automations, optimizing workflows and enhancing productivity such as DNAC RBAC validation.
- Worked with MySQL databases for data storage and retrieval in automation projects.
- Designed and implemented a skill analysis portal / dashboard, Change Management dashboard using Python and Grafana.
- Automated the iOS bundle installation process, simplifying device provisioning.
- Conducted backup status checks, certificate status checks and backup deletion for ISE, DNAC, and Cisco Prime.
- Created scripts for network sanity checks on a large number of devices, ensuring network stability and reliability.

**Python Automation Engineer, Ericsson** October 2019 – March 2022 | Noida, India

- Automated various telecommunications network processes, enhancing performance and efficiency.
- Designed and implemented automation solutions to improve network performance and streamline operations.
- Utilized Python libraries like pandas and matplotlib for data analysis and visualization, providing valuable insights for decision-making.
- Developed data solutions to handle large datasets and optimize data processing workflows.
- Generated reports and dashboards using Python, Power BI, and Grafana, facilitating data-driven decision-making.
- Worked on the pan India outage automation project using Python and various data analysis libraries, creating dashboards for Airtel's pan India network.
- Created internal SLA (Service Level Agreement) reports and dashboards for monitoring and analysis purposes.
- Utilized web scraping techniques to fetch essential information from applications, enabling efficient data retrieval.
- Worked on CRC (Critical Resource Consumption) report generations using powerful Python libraries.
- Collaborated with cross-functional teams to gather requirements, design solutions, and deliver high-quality software products.

### Skills

Python • Django • Selenium • HTML • CSS • Javascript • MySQL • PostgreSQL • Git • Docker • Continuous Integration • Continuous Delivery • Grafana • PowerBI • Network Automation • Data Analysis • API Integration • RESTful Web Services • Web Scraping • Agile Development • Flask • DevOps • AWS • AWS EC2 • AWS RDS • AWS S3 • REST API Servers • Code Review

### Awards

**Employee of the Semester - Flare Award 2023, Orange Business Services** 2023

**Change Maker Award, Orange Business Services** 2022

**Impact Award, Ericsson** 2021

### Education

**Bachelors of Technology in Electronics and Communications,** 2015 – 2019 | Mohali, Chandigarh  
*Shaheed Udham Singh College of Engineering and Technology (PTU)*  
CGPA: **9.13**