

# VIJAY KUMAR SUNKARA

Network Monitoring Engineer | Telecom Operations Engineer | Telecom Automation Engineer

Bengaluru, India | +91 9515453440 | vijayroyal358@gmail.com | linkedin.com/in/sunkara-vijay-kumar-a30aa1251

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## PROFESSIONAL SUMMARY

Network Monitoring and Telecom Automation Engineer with more than one year of experience supporting live telecom production environments. Experienced in KPI monitoring, alarm analysis, Linux operations, network troubleshooting, Python scripting, workflow optimization, operational reporting, and telecom monitoring across 2G, 4G, and 5G infrastructure. Recognized with the STAR Award for delivering automation-driven solutions that strengthened operational efficiency.

## CORE TECHNICAL SKILLS

Network Monitoring: KPI Analysis, Alarm Monitoring, Incident Management, Root Cause Analysis, Production Support

Telecom Technologies: 2G, 3G, 4G, 5G, LTE Architecture, OSS Monitoring, RF Basics

Automation: Network Automation, Telecom Automation, Workflow Optimization, Monitoring Solutions, CI/CD Concepts

Programming: Python, Bash Scripting, SQL

Linux Operations: Linux Commands, SSH Operations, Cron Jobs, Log Analysis

Monitoring Tools: Streamlit, Power BI, Microsoft Excel

Version Control: Git, GitHub, Git-based Deployment Workflows

## PROFESSIONAL EXPERIENCE

### Parallel Wireless - Associate Engineer

Bengaluru, India | March 2025 - Present

- Monitored telecom KPIs, alarms, and operational health across live telecom production environments supporting daily network operations.
- Created Python-based workflows for KPI tracking, issue diagnostics, and telecom troubleshooting activities that reduced repetitive monitoring effort.
- Streamlined monitoring procedures using Python, Linux commands, Bash scripting, and log-analysis methods.
- Designed Radio Remote Head troubleshooting workflow that accelerated issue diagnostics and minimized troubleshooting turnaround time.
- Strengthened Network Auto Monitoring solution for KPI tracking, event analysis, issue detection, and operational visibility across multiple telecom sites.
- Established Internet Protocol performance testing workflow for backhaul microwave links and generated CSV-based operational reports.
- Conducted alarm analysis, log analysis, and root-cause investigations supporting faster incident response and operational stability.
- Received the STAR Award for contributing to telecom automation initiatives that increased operational efficiency.

## KEY PROJECTS

### Radio Remote Head Troubleshooting

- Designed troubleshooting workflow using Python and Linux commands for telecom operational environments.
- Accelerated issue diagnostics and reduced repetitive troubleshooting activities.

### Network Auto Monitoring

- Created telecom monitoring workflow for KPI tracking, event monitoring, and operational visibility.
- Configured reporting workflows supporting proactive operational analysis.

### Internet Protocol Performance Testing for Backhaul Links

- Developed workflow for network performance testing between telecom backhaul links.

- Generated CSV-based operational reports for network validation and performance analysis.

### **LTE KPI Monitoring Dashboard**

- Built LTE KPI dashboard for telecom performance monitoring and operational analysis.
- Displayed RRC, ERAB, S1AP, CSSR, and HOSR metrics through KPI workflows.

## **INTERNSHIPS**

### **Salesforce Developer Intern - Smart Internz**

June 2022 - August 2022

- Increased data accuracy by 15 percent through workflow validation and reporting enhancements.
- Optimized reporting procedures that strengthened operational productivity and reduced manual verification activities.

### **Web Development Intern - Lets Grow More**

May 2023 - June 2023

- Built responsive web applications using HTML, CSS, JavaScript, Git workflows, and deployment practices.
- Boosted deployment stability and testing efficiency through debugging and validation procedures.

## **AWARDS AND RECOGNITION**

### **STAR Award - Parallel Wireless**

Recognized for contributing to telecom automation initiatives that reduced manual effort and strengthened operational efficiency.

## **CERTIFICATIONS**

- Microsoft Certified Power BI Data Analyst Associate
- Microsoft Certified Azure Data Engineer Associate
- Linux Command Line Basics
- Introduction to Programming Using Python
- Business Data Analytics

## **EDUCATION**

### **Bachelor of Technology in Information Technology**

Sri Venkateswara Engineering College, Tirupati | 2020 - 2024 | Percentage: 80