

DILIP ROURAY

DevOps & Telecom Engineer | 10+ Years Combined Experience (3 Yrs DevOps + 7 Yrs Telecom Network)

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PROFESSIONAL SUMMARY

Experienced IT professional with **10 years of total experience**, including **3 years in Azure DevOps & Cloud** and **7 years in Telecom Testing**. Azure DevOps, Azure CLI, Terraform, CI/CD pipelines, GitHub, Azure Repos of hands-on experience in Azure DevOps and related technologies, I have successfully designed, implemented, and managed efficient CI/CD pipelines, ensuring seamless software delivery and deployment. My expertise extends to infrastructure as code (IaC) using Terraform, enabling scalable and reliable cloud environments. With a strong foundation in version control systems like GitHub and Azure Repos, I bring a comprehensive skill set to drive innovation, streamline processes, and optimize infrastructure performance in dynamic IT environments.

TECHNICAL SKILLS

Cloud & IaC	Microsoft Azure Terraform Azure CLI
CI/CD	Azure DevOps Pipelines (YAML multi-stage) GitHub Actions (workflows, reusable actions)
DevSecOps	tfsec tflint Checkov — IaC static analysis & policy-as-code security scanning
Scripting & SCM	PowerShell Bash Git GitHub Azure Repos Branch Strategies
Monitoring	Prometheus Grafana Azure Monitor

DEVOPS & CLOUD EXPERIENCE — 3 YEARS

DevOps Engineer – Cloud & Automation | DevOps Insiders | Full-time Dec 2025 – Present

- Architected reusable Terraform modules for core Azure services (VNet, Key Vault, App Service), reducing provisioning time and enforcing infrastructure consistency across client environments.
- Designed and maintained GitHub Actions CI/CD pipelines with integrated tfsec, tflint, and Checkov security gates — ensuring all IaC is scanned and policy-compliant before reaching production.
- Advised clients on Azure architecture design, identifying opportunities to optimise for cost efficiency, high availability, and security best practices.
- Managed Terraform remote state using Azure Blob Storage with locking, enabling safe team collaboration across multiple workspaces and environments.

DevOps Engineer | Quess Corp Limited

Full-time, India | Sep 2024 – Aug 2025

- Designed, deployed, and managed scalable cloud infrastructure on Microsoft Azure, utilizing services like Azure DevOps, Application Gateway, and Virtual Machines.
- Provisioned and lifecycle-managed Azure cloud resources — VMs, storage accounts, VNets, NSGs, App Services — using Terraform, cutting manual effort significantly.
- Built and maintained YAML-based Azure DevOps multi-stage CI/CD pipelines across dev, staging, and production with full branch protection and PR gating controls.
- Implemented Infrastructure as Code using Terraform to automate provisioning and configuration of Azure resources, ensuring consistency and reducing manual efforts.
- Created automation scripts using Power Shell to streamline deployment, monitoring, and maintenance tasks, significantly enhancing operational efficiency. Monitored cloud resources for performance, cost optimization, and security.
- Implemented branch protection rules and pull request policies in Azure Repos and GitHub to enforce peer review and maintain code quality standards.

Cloud Engineer | Kutumbh HRCare Private Limited

Full-time, India | Feb 2023 – Aug 2024

- Provisioned and managed Azure cloud infrastructure — VMs, storage accounts, VNets, NSGs — ensuring high availability and secure network architecture.
- Managed end-to-end Azure cloud operations including VM lifecycle, RBAC configuration, NSG rules, VNet peering, and Key Vault access policies for multiple environments.
- Implemented Terraform IaC with Azure Blob Storage remote backend; enforced coding standards using tflint across all IaC repositories.
- Integrated Azure Key Vault for centralised, secure secrets management and monitored cloud resources for performance, cost optimization, and security.

TELECOM NETWORK EXPERIENCE — 7 YEARS

Network Test Engineer | Kutumbh HRCare Private Limited

Full-time, India | Aug 2020 – Jan 2023

- Conducted end-to-end Network Drive Testing for GSM, LTE, and VoLTE networks using ZENX PROVE, TEMS, and NEMO, collecting field data across assigned regions.
- Analysed key network parameters — Rx Lev, Rx Qual, C/I ratio, handovers, HO failures, and dropped calls — to identify root causes of coverage and quality degradation.
- Performed optimisation of PCI, RSRP, RSRQ, SINR, and UL/DL throughput; delivered Pre and Post Drive Test reports with network improvement recommendations.
- Coordinated with network planning and optimisation teams to implement parameter changes and validate improvements through follow-up drive tests.

Network Test Engineer | Integrated Wireless Solutions

Full-time, India | Nov 2018 – May 2019

- Conducted end-to-end Network Drive Testing for GSM, LTE, and VoLTE networks using ZENX PROVE, TEMS, and NEMO, collecting field data across multiple network sites.
- Analysed key network parameters — Rx Lev, Rx Qual, C/I ratio, handovers, HO failures, and dropped calls — to identify root causes of coverage and quality degradation.
- Performed optimisation of PCI, RSRP, RSRQ, SINR, and UL/DL throughput; delivered Pre and Post Drive Test reports with network improvement recommendations.
- Coordinated with network planning and optimisation teams to implement parameter changes and validate through follow-up drive tests.

Network Test Engineer | Steelman Telecom Limited

Full-time, India | Sep 2017 – Oct 2018

- Executed systematic network drive tests across GSM, LTE, and VoLTE sites to evaluate signal coverage, capacity utilisation, and call quality performance.
- Used ZENX PROVE, TEMS, and NEMO for drive test log collection, post-processing, and deep KPI analysis including RSRP, RSRQ, SINR, Call drops, and UL/DL throughput trending.
- Assisted network optimisation team in PCI planning and handover parameter tuning — reducing HO failure rates and dropped call incidents.
- Prepared Pre/Post Drive Test reports with before-and-after KPI comparisons for stakeholder review and sign-off.

Network Technician | Uniinfo Telecom Services Ltd.

Full-time, India | Apr 2014 – Mar 2017

- Conducted network drive testing for GSM and LTE networks, collecting field data to assess coverage, capacity, and signal quality across assigned regions.
- Analysed drive test logs to evaluate key KPIs such as RxLev, RxQual, call drops, handover success rate, and interference levels — recommending targeted parameter adjustments to improve network performance.
- Supported network optimisation by monitoring and tuning parameters like RSRP, RSRQ, SINR, and PCI; assisted in handover planning to reduce call drop rates and improve coverage continuity.
- Prepared detailed pre and post drive test reports documenting KPI trends, network conditions, and improvement actions — enabling data-driven decisions for network rollout and optimisation.
- Collaborated with field engineers and telecom operators to schedule drive test routes, identify coverage gaps, resolve on-site performance issues, and ensure timely delivery of quality assurance reports.

EDUCATION

Bachelor of Technology (B.Tech) | Electrical & Electronics Engineering

KEY HIGHLIGHTS

- 10+ years of total engineering experience — 3 yrs DevOps/Cloud and 7 yrs Telecom Network — a rare and valuable dual-domain profile.
- Security-first DevOps approach: tfsec, tflint, and Checkov integrated into every CI/CD pipeline for shift-left policy enforcement.
- Deep Terraform expertise with modular, reusable Azure IaC patterns across freelance and enterprise production environments.
- Comprehensive telecom background: GSM/LTE/VoLTE network drive testing, ZENX PROVE, TEMS, NEMO, and end-to-end KPI optimisation.
- Proven track record across freelance consulting, enterprise DevOps teams, and field telecom network engineering — adaptable and delivery-focused.