

# HARIKRISHNAN P R



+91 7561081650 · harikrishnanpr916@gmail.com · Thrissur, Kerala ·

[linkedin.com/in/harikrishnanpr916](https://linkedin.com/in/harikrishnanpr916)

## PROFILE SUMMARY

Cloud and DevOps Engineer with certifications in AWS and Azure and hands-on expertise in automation, CI/CD, and cloud-native deployments. Experienced in designing secure, scalable infrastructures and optimizing SaaS operations on AWS, Azure, and Hetzner Cloud. Proven record of reducing costs, improving deployment velocity, and enhancing reliability of mission-critical platforms. Strong collaborator with skills in troubleshooting, monitoring, and infrastructure-as-code.

## SKILLS

**Cloud Platforms:** AWS (EC2, RDS, S3, CloudFront, Rekognition, DynamoDB, Lambda), Azure, Hetzner Cloud

**DevOps Tools:** Terraform, Docker, GitHub Actions, Azure DevOps, Ansible

**Other Technologies:** Linux, Nginx, Frappe/Press Console, CI/CD, MariaDB, Boto3, Monitoring Dashboards

**Soft Skills:** Communication, Problem-solving, Time Management, Collaboration

## EXPERIENCE

**DevOps Engineer (R&D)** Jan 2025 – Present

Team Back Office, Thrissur

- Designed and deployed **tbo365 Cloud**, a multi-tenant SaaS platform on Frappe + Press Console, cutting operational costs by 30%.
- Automated DNS, reverse proxy setup, CI/CD pipelines, and backup workflows, reducing deployment time by 40%.
- Delivered secure static websites with S3 + CloudFront, integrating SSL and cache optimization.
- Deployed Kubernetes clusters for workload orchestration and scalability using `k8s bench`.
- Built a real-time EC2 monitoring system with Flask + Flutter, decreasing manual monitoring effort by 50%.

**Technical Coordinator – Credit Card Onboarding Systems** Aug 2023 – Dec 2023

Fedserv, Kakkanad

- Coordinated between support and development teams, resolving 95% of production issues effectively.
- Enhanced incident management, reducing average resolution time by 35%.
- Standardized stakeholder communication, boosting cross-team collaboration.

## DEVOPS CERTIFICATION PROGRAMME

**CloudThat** Jul 2023 – Aug 2024

Bengaluru

- Completed hands-on DevOps projects using Docker, Terraform, Ansible, and cloud-native tools.
- Implemented CI/CD pipelines with GitHub Actions and Azure DevOps, reducing release friction.

## PROJECTS

- tbo365 Cloud:** End-to-end SaaS framework with automated DNS, CI/CD, backups, and multi-tenant site provisioning.
- EC2 Monitoring Suite:** Built a Flask + Flutter dashboard with Boto3 integration for real-time AWS monitoring.

- **n8n Workflow Automation:** Developed workflows integrating Twilio WhatsApp, GitHub, and cloud APIs for automated alerts, access revocation, and data sync; reduced manual intervention by 60%.
- **AWS-Based Fire Detection System (Demo Project):** Built a serverless test system using AWS Lambda, S3, Rekognition, DynamoDB, and SNS to analyze uploaded video clips for fire/smoke detection. Achieved 85%+ detection accuracy in tests and demonstrated a scalable serverless architecture with automated notifications.
- **Static Site Hosting (S3 + CloudFront):** Delivered scalable, secure hosting with automated cache invalidation.
- **Smart Wheelchair (IoT):** Voice/joystick-controlled wheelchair with health tracking sensors.
- **Azure DevOps CI/CD:** Automated deployment pipeline using Azure Repos and Pipelines.
- **AWS Multi-tier Deployment:** Provisioned a fault-tolerant app stack using EC2, RDS, and ALB across multiple AZs.

## EDUCATION

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**B.Tech, Electronics and Communication Engineering**

2019 – 2023

Kerala Technological University

CGPA: 7.3

## CERTIFICATIONS

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- AWS Solutions Architect – Associate (Validation No: ca7b997533f547048b51d3a152663411)
- Microsoft Certified: Azure Administrator Associate (AZ-104), ID: 995719052