

# KIRAN BANDARU *DevOps Engineer / Systems Engineer*

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## PROFILE

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AWS DevOps Engineer with 3.5 years of experience building and operating cloud-native platforms on AWS. Experienced in CI/CD automation, Kubernetes-based deployments, infrastructure as code using Terraform and Ansible, and monitoring with Prometheus and Grafana. Strong background in improving system reliability, deployment speed, and cloud cost efficiency within enterprise environments.

## PROFESSIONAL EXPERIENCE

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**Cognizant Technology Solutions (Client: Kotak), India,**                      09/2021 – 03/2023 | Hyderabad, India  
*Junior Software Engineer*

- Built and maintained **CI/CD** pipelines using **Jenkins**, **GitLab CI**, and **Azure DevOps**, reducing deployment time by **40%** and improving release stability by **35%**.
- Automated cloud infrastructure using Infrastructure as Code (**Terraform / CloudFormation / ARM**), cutting manual errors by **60%** and ensuring regulatory compliance.
- Supported and optimized **AWS / Azure** environments, achieving **99.9%** system availability and reducing infrastructure costs by **20%**.
- Implemented **Docker** and **Kubernetes**, increasing deployment frequency by **45%** and improving application scalability and resilience.
- Embedded security and compliance best practices into **CI/CD** pipelines, reducing vulnerabilities by **40%** in line with banking standards.
- Monitored production systems and resolved incidents, reducing MTTR by **35%** through proactive monitoring and root cause analysis.
- mature **Bash** and **Python** automation scripts, reducing functional manual effort by **50%** across **Linux** based systems.
- Participated in **incident response** and **troubleshooting** to ensure application availability and reliability.

**Cognizant Technology Solutions (Client: LexisNexis),**                      03/2023 – 01/2025 | Hyderabad, India  
**India,** *Software Engineer*

- Built and maintained **CI/CD** pipelines using **Jenkins** and **GitLab CI**, cutting manual deployments by **45%** and boosting release frequency.
- Automated cloud infrastructure with **Terraform/IaC**, enabling **60%** quicker environment setup while ensuring compliance and scalability.
- Optimised **AWS/Azure** platforms, improving uptime by **30%** via monitoring, auto scaling, and performance tuning.
- Streamlined deployment and release processes with **development, security, and QA teams**, reducing failures by **35%**.
- Implemented **Docker/Kubernetes** orchestration, raising deployment efficiency by **40%** and optimising resources. Integrated security and compliance controls into CI/CD pipelines, lowering incidents by **25%**.
- Monitored systems and resolved production issues, achieving **20%** quicker MTTR.

## SKILLS

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**CI/CD Tools:** Jenkins, GitLab CI, Azure DevOps, GitHub Actions

**Cloud Platforms:** AWS, Azure, GCP

**Containerization:** Docker, Kubernetes

**Infrastructure as Code:** Terraform, Ansible

**Scripting:** Bash, Python, Java

**Monitoring & Logging:** Prometheus, Grafana

**Version Control:** Git, GitHub

## EDUCATION

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**Griffith college, Dublin, Ireland,**  
*Masters of Computing Science*

01/2025 – present | Dublin, Ireland

**SRKR Engineering College,**  
*Bachelor of Technology in Computer Science*

06/2018 – 08/2021 | Bhimavaram, India

## CERTIFICATES

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- AWS Certified Cloud Practitioner
- AWS Certified DevOps Engineer