Tara Prasad Mavanur Ramaprasad

DevOps Engineer. (German B2- Course Completed)

Analyst-to-DevOps transition professional with a strong foundation in operations analysis and a hands-on DevOps skillset acquired through the DataScientest Bootcamp (April – September 2025). Experienced in automating software delivery pipelines, containerization, cloud infrastructure, CI/CD, orchestration, and monitoring. Adept at combining analytical insights with technical DevOps solutions to optimize deployment, performance, and security.

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DEVOPS BOOTCAMP TASKS

Docker & API Testing Project
GitHub ↗

- Built Docker images for FastAPI applications and test containers.
- Automated authentication, authorization, and content tests via containers.
- **Outcome**: Faster, consistent testing across environments, reducing manual setup errors and improving QA efficiency.

Kubernetes Orchestration Project(AWS)
GitHub ↗

- Deployed FastAPI and PostgreSQL microservices with persistent storage.
- Configured namespaces for dev, QA, staging, and prod.
- Analysed operational data to identify trends and issues.
- Developed Helm charts for WordPress and microservices deployment.
- **Outcom**e: Scalable, maintainable, and environment-consistent Kubernetes deployments, ready for production.

GitLab CI/CD Automation
Gitlab ↗

- Created pipelines for building, testing, and deploying WordPress and microservices.
- **Outcome**: Streamlined deployment workflow, minimized human errors, and enabled controlled production releases.

Automated Magento & MySQL Deployment with Ansible
GitHub ↗

- Developed and automated deployment roles for Magento web application and MySQL database using Ansible.
- Verified role functionality using Molecule and Testinfra for automated testing and compliance.
- **Outcome**: Fully automated, repeatable, and validated infrastructure deployment, reducing manual setup effort

Infrastructure as Code with Terraform (AWS)
Munich

- Provisioned AWS infrastructure for WordPress, including EC2 instances, RDS (MySQL), EBS volumes, VPC, and Application Load Balancer, using modularized Terraform templates.
- Automated WordPress setup with a custom install_wordpress.sh script, reducing setup time and manual intervention. Delivered a reusable, version-controlled IaC solution , enabling consistent, repeatable deployments across multiple environments.
- **Outcome**: Rapid, automated, and reliable infrastructure provisioning, supporting scalable and production-ready WordPress deployments.

TECHNICAL SKILLS

DevOps & Cloud: Terraform, Ansible, Kubernetes, Helm, Docker, GitLab CI/CD, Jenkins, AWS (EKS, RDS, S3, CloudWatch)

Monitoring & Observability: Prometheus, Grafana, Datadog

Programming & Scripting: Python, SQL (MySQL, PostgreSQL) , Operating Systems: Linux (Ubuntu)

Data & Visualization: Power BI, Tableau, Excel (Pivot Tables, Dashboards), Data Cleaning & Modeling

PROJECTS

Automated Deployment of WordPress Web Server on AWS:
- Designed and deployed a scalable WordPress + MySQL stack using Terraform (IaC), Docker, Kubernetes (EKS), and Helm.
- Built CI/CD pipelines with GitLab, integrated Prometheus/Grafana for monitoring and alerts.
- **Outcome:** Reduced deployment time and ensured production-ready, monitored environments.
- GitLab: project_2025_app ↗

Python Automation & Data Analysis Projects:
- Festival Sales Report - Cleaned and analyzed sales data; visualized demand trends. Github. ↗
- Student Analysis -Identified patterns and correlations in student performance data. **Github.** ↗
- Music Data Analysis - Explored music dataset for insights on popularity trends. GitHub. ↗

Power BI Projects:
- Bank Churn Dashboard – Visualized customer churn KPIs to support retention strategies. GitHub. ↗
- Financial Analysis Dashboard Built interactive financial KPIs for executive decision-making. Github. ↗

Jenkins CI/CD Automation
- Designed Jenkins pipelines (Jenkinsfile) for dev, QA, staging deployments Implemented manual approval gates for production deployments.
- **Outcome**: Streamlined deployment workflow, minimized human errors, and enabled controlled production releases.

Monitoring & Observability
- Configured Prometheus & Grafana dashboards for WordPress and microservices metrics. Implemented Datadog for APM tracing, CPU/RAM/Pod alerts, and multi-cloud Kubernetes monitoring.
- **Outcome**: Proactive monitoring and alerts improved system reliability and enabled fast incident resolution.

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WORK EXPERENCE

Relocation to Munich June 2018.
Munich

Achievements/Tasks
- Integration Course - 2019 to 2022
- B2 German - 2023-2024
- DevOps Bootcamp - 2025

Operations Analyst
Indian Bank, Singapore

Achievements/Tasks
- Assisted in developing SOPs to ensure operational consistency, acted as liaison between departments for effective communication, analysed operational data to identify trends/issues, and resolved customer inquiries and complaints promptly.

Admin (Operations)
Prosper Coal and Energy Pte Ltd, Singapore

Achievements/Tasks
- Managed administrative support tasks in a dynamic workplace environment

Childcare
Singapore 2010-2017

Customer Support Executive
RiverVale Walk RC , Singapore

Achievements/Tasks
- Delivered exceptional customer service within deadlines, leveraged analytical and problem-solving skills to resolve operational challenges, and built strong communication skills while organizing team events

Customer Support Assistant
ICICI Bank , Singapore

Achievements/Tasks
- Responded to client inquiries by providing technical support and managing high-volume tickets, while streamlining communications with Mumbai HQ to improve response times

SOFT SKILLS

Effective Communication, Team Collaboration, Problem Solving, Operations Management

EDUCATION & CERTIFICATION

DevOps Bootcamp (04/2025 - 08/2025)
- **DataScientest.**

Bachelor of Engineering, Industrial Production
- **JNNCollege of Engineering, Karnataka, India**

German Language - B2 (Course completed)
- **Anderwerk.de, Munich**

Certificates, SkillUp
- **Data Science with Python**
- **Business Analytics**
- **Tableau Training**
- **Power BI**

CERTIFICATE- Software Testing
- **System Domain, Bengaluru , India**
- Software Tool Testing

ACHIEVEMENTS

* Winner, International Yoga Quiz Competition, 2020, organized by Indian Council for Cultural Relations, Munich

* Voluntary Service Award 2016 , RC Singapur - GO GREEN From Singapore MP Michael Palmer

LANGUAGES

German – B1-B2
Professional Working Proficiency

English - Advanced Level
Full Professional Proficiency

Tamil - Advanced Level
Full Professional Proficiency

Hindi – Advance level
Full Professional Proficiency

Kannada – Native Speaker
Native or Bilingual Proficiency

INTERESTS

Reading books   Gardening   Listening to music