

Tara Prasad Mavanur Ramaprasad

DevOps Engineer.

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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📄 Tarakadambi.github.io/Tarakadambi.portfolio-repo

🐙 github.com/Tarakadambi

WORK EXPERIENCE

Relocation to Munich June 2018.(Completed B2 German n DevOps Bootcamp) Munich

Operations Analyst Indian Bank, Singapore

01/2017 - 03/2018

Singapore

Investment Bank

Achievements/Tasks

- Assisted in developing SOPs (documenting best practices and workflows for operational consistency) for consistent operational practices.
- Acted as liaison between departments, ensuring timely communication.
- Analysed operational data to identify trends and issues.
- Handled customer inquiries and complaints for prompt resolution.

Temp Admin

Prosper Coal and Energy Pte Ltd, Singapore

04/2017 - 09/2017

Singapore

Achievements/Tasks

- Managed administrative support tasks in a dynamic workplace environment.

Child Care

Singapore

01/2010 - 03/2017

Customer Support Executive

RiverVale Walk RC

01/2008 - 12/2009

Singapore

Government Administration

Achievements/Tasks

- Delivered exceptional customer service within specified timeframes.
- Used analytical and problem-solving skills to resolve operational challenges.
- Developed strong communication skills and organized team events.

Customer Support Assistant

ICICI Bank , Singapore

07/2005 - 06/2006

Singapore

Investment Bank

Achievements/Tasks

- Responded to client inquiries, provided technical support, and handled high-volume tickets.
- Streamlined communications with Mumbai HQ to improve response times.

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)

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

Operating Systems: Linux (Ubuntu)

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](#)

SQL & Excel Projects:

- SQL: MySQL/PostgreSQL queries for database analysis . [Github](#)
- Excel Dashboards using Pivot Tables, Charts. [Github](#)

Tableau Dashboards:

- Airline and COVID-19 data visualizations.

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EDUCATION & CERTIFICATES

DevOps Bootcamp

DataScientest.

04/2025 - 08/2025

Munich, Deutschland

Bachelor of Engineering, Industrial Production,

JNNCollege of Engineering, Karnataka, India

German Language - B2 (course completed)

Anderwerk.de, Munich

Certificates

SkillUp

Achievements/Tasks

- Data Science with Python
- Business Analytics
- Tableau Training
- Power BI

CERTIFICATE- Software Testing

System Domain, Bengaluru , India

Achievements/Tasks

- Software Tool Testing.

Achievements

Certificates

Achievements/Tasks

- Winner, International Yoga Quiz Competition, 2020, organized by Indian Council for Cultural Relations, Munich.
- Voluntary Service Award 2016 , RC Singapore - GO GREEN initiative From Singapore MP Michael Palmer.

Interests

Reading, Gardening, Listening to Music.

LANGUAGES

German: B1/B2

Munich

English

Professional Proficiency

Tamil & Hindi

Professional Proficiency

Kannada

Native Speaker

SOFT SKILLS

Effective Communication, Team Collaboration, Problem Solving, Operations Management

DEVOPS BOOTCAMP TASKS

1. Docker & API Testing Project

- Built Docker images for FastAPI applications and test containers.
- Automated authentication, authorization, and content tests via containers.
- Orchestrated multi-container testing using docker-compose.yml .
- **Outcome:** Faster, consistent testing across environments, reducing manual setup errors and improving QA efficiency. [GitHub](#).

2. Linux Administration

- Installed and configured WordPress with Nginx, PHP 8, and MariaDB..
- Set up SSL certificates using Let's Encrypt and implemented automated backups.

3. NoSQL / MongoDB Project (Github)

- Managed and queried MongoDB collections(books.json) using PyMongo.
- Created aggregation pipelines, filtered data, and extracted insights.

4. Kubernetes Orchestration Project(AWS)

- Deployed FastAPI and PostgreSQL microservices with persistent storage.
- Configured namespaces for dev, QA, staging, and prod.
- Developed Helm charts for WordPress and microservices deployment.
- **Outcome:** Scalable, maintainable, and environment-consistent Kubernetes deployments, ready for production. [GitHub](#).

5. GitLab CI/CD Automation

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

6. 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.

7. Infrastructure as Code with Terraform (AWS)

- 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.

8. Automated Magento & MySQL Deployment with Ansible

- 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. [GitHub](#).

9. 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.