

# C.V. ANANDHRAMAN

## Site Reliability & DevOps Engineer

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## SUMMARY

Site Reliability Engineer and aspiring DevOps Engineer with a passion for automation, scalability, and observability. Experienced in container orchestration, CI/CD pipelines, monitoring stacks, and infrastructure as code. Intermediate knowledge of AWS and Terraform with a strong foundation in scripting and system administration.

## EXPERIENCE

### Turbolab Technologies

May 2024 – Present

#### Site Reliability Engineer

- Automated deployments using Docker, Kubernetes, and GitHub Actions.
- Managed CI/CD with GitLab and infrastructure using Terraform and Ansible.
- Provisioned and configured servers to support scalable and reliable infrastructure.
- Developed internal tools and scripts to automate host sync, Docker cleanup, and more.
- Implemented observability with Prometheus, Grafana, ELK Stack, and Monit.

### PKJ Technologies

Aug 2023 – May 2024

#### Application Developer

- Developed web-based internal systems with role-based access controls.
- Integrated PostgreSQL, MySQL, and Redis to optimize backend data operations.
- Automated data tasks and streamlined business workflows using Python.

## TECHNICAL SKILLS

### Languages

Python, Go, Bash

### Cloud & IaC

AWS, OVH, Terraform, Ansible

### Containers

Docker, Kubernetes

### CI/CD

GitHub Actions, GitLab CI/CD

### Monitoring

Prometheus, Grafana, ELK Stack

### Networking

HAProxy, Nginx, Apache

### Databases

PostgreSQL, MySQL, Redis

### OS

Linux (RHEL, Ubuntu, Debian)

## PROJECTS

### Recycler

github.com/Toymakerftw/Recycler

- Developed a centralized NFS-based recycle bin system for Linux servers.
- Implemented a master-agent architecture for distributed management.
- Automated file recovery and managed disk space efficiently.

### ChronosGuard

github.com/Toymakerftw/ChronosGuard

- Created a real-time file backup utility in Go.
- Designed an efficient version-control-like behavior with minimal disk usage.
- Focused on low system overhead and continuous operation.

### Triage - IDS

github.com/Toymakerftw/Triage-IDS

- Developed a network anomaly detection system leveraging XGBoost ML algorithms.
- Utilized Python for real-time traffic analysis and threat alerting.

### Serversage

github.com/Toymakerftw/Serversage

- Built a comprehensive server monitoring system using Python.
- Fully integrated with the Prometheus/Grafana ecosystem for performance visualization.
- Enabled customizable alerting for proactive system management.

## EDUCATION

### B.Tech – Computer Science

SNGCE, Kolenchery

2023

### Diploma – Computer Engineering

AI Azhar Polytechnic College

2017

## CERTIFICATIONS

### RHCSA – Red Hat Certified System Administrator

Verification: 170-218-770

2017