

C.V. ANANDHRAMAN

Site Reliability & DevOps Engineer

📍 Kolenchery, Kerala, India 📞 +91 70127 45003 ✉ mail.anandhraman@gmail.com
🌐 github.com/toymakerftw 🌐 anandhraman.vercel.app 🌐 linkedin.com/in/anandh-raman

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.
- Managed Windows Machines and handled system updates, backups, and security configurations.
- Integrated PostgreSQL, MySQL, and Redis to optimize backend data operations.
- Automated data tasks and streamlined business workflows using Python and Bash.

TECHNICAL SKILLS

Languages Python, Go, Bash	Monitoring Zabbix, Prometheus, Grafana, ELK Stack
Cloud & IaC AWS, OVH, Terraform, Ansible	Networking HAProxy, Nginx, Apache
Containers Docker, Kubernetes	Databases PostgreSQL, MySQL, Redis
CI/CD GitHub Actions, GitLab CI/CD	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 Al Azhar Polytechnic College	2017

CERTIFICATIONS

RHCSA – Red Hat Certified System Administrator Verification: 170-218-770	2017
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