

Vishwa R

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Experience

Nxweb

Coimbatore

Site Reliability Engineer

DEC2022 – Present

- **Enhanced Security Protocols:** Implemented robust security measures, reducing potential data breach risks by 30% through comprehensive threat assessments and system hardening practices.
- **Cost Optimization:** Strategically optimized cloud infrastructure on Hetzner and Digital Ocean, achieving a 20% reduction in operational costs by identifying and migrating to cost-effective services.
- **Incident Management:** Resolved 95% of server issues within 30 minutes, ensuring minimal downtime by setting up Prometheus, Grafana and maintaining service availability for critical applications by configuring Alert manager over Telegram Channel.
- **Deployment Automation:** Led over 50 seamless software deployments using Ansible, Docker, and Terraform, boosting infrastructure performance by 40% and streamlining development workflows.
- **Automated Backup Systems:** Designed and implemented automated backup solutions, reducing data recovery time by 50%, thus enhancing overall data resilience.

Freelancer

SEP 2022 – NOV 2022

- **Custom PC Builds:** Designed and built over 15 high-performance custom PCs, providing tailored hardware solutions that improved client system efficiency and satisfaction by 30%.

Projects

Frappe Installation Script

- Developed a comprehensive installation script that reduced setup time from 2 hours to 30 minutes, automating the configuration of Node.js, Yarn, and MySQL/MariaDB.
- Offers interactive prompts for flexibility and ease of use. Simplifies dev environment setup, enhancing productivity with automated tasks.

IDP for ERP Next Developers

- Designed a custom **Internal Developer Platform (IDP)** for Frappe developers, enabling independent setup and management of local development environments.
- Integrated **Docker Compose** for essential services (Frappe, Redis, MariaDB), ensuring quick environment provisioning with minimal effort.
- Built a **CI/CD pipeline using GitHub Actions** to automate daily Docker image builds and uploads to GHCR, overcoming initial challenges with CI/CD workflows.
- Enhanced productivity by reducing reliance on the SRE, cutting infrastructure costs, and streamlining development processes for internal and potential external Frappe developers.

Skills

Hetzner, Digital Ocean, AWS, Ansible, Docker, Terraform, Grafana, Prometheus, Python, JavaScript, OOP, MariaDB

Education

Sree Sevugan Annamalai College

Devakottai

Bachelor of Science in Computer Science

JUL 2018 – MAR 2021