

NĀRĀYAṆA DĀS HARRICHARAN

Senior DevOps / Platform Engineer



Date of birth: 25/08/1993
Nationality: South African
Current location: India (GMT+5:30)
Languages: English, Afrikaans and Hindi

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Profile

Specializing in high-traffic systems, automation, and observability

8 years DevOps experience.

DevOps experience summary:

- Built, scaled, and maintained high-traffic Linux servers
- Designed and ran high-availability infrastructure
- Google Kubernetes Engine and Docker Swarm clusters
- Cloud platforms: AWS, Google Cloud, DigitalOcean
- Built and administered PostgreSQL and other databases at scale
- Designed and improved CI/CD pipelines
- Configuration management: Ansible, Puppet
- Monitoring, logging, metrics and alerting: Prometheus, Grafana, ELK
- Migrated web applications and environments
- Built internal tools and automated in Python, Ruby, Node.js and Bash
- Developed TypeScript APIs with unit tests
- Operated in security-critical environments

Human Systems Skills:

- Multilateral thinker; adaptable and analytical
- Clear communicator and technical writer
- Leadership and mentoring
- Disciplined, research-driven, creative and dedicated

*Programming and infrastructure provide the operational substrate;
Principled higher-order reasoning governs efficacy.*

Recent Sabbatical

Traditional Vedic Studies & Community Service (India)

Traditional Vedic Studies

JAN 2021 - DEC 2026

- Immersive 5-year residential program
- Combining meditation, traditional scholarship, and community service
- Across multiple temples and monasteries throughout India
- Major subjects studied:
- Ashtanga Yoga, Hindi, Sanskrit (foundational), Indian classical music
- Classical logic/epistemology, Vedic philosophy and psychology
- Taught weekly classes in classical logic, epistemology, and Vedic philosophy
- Mentored community members on personal development and wellbeing
- Maintained a disciplined routine
- Operated in fast-paced, resource-constrained environments

Experience

Rehive

Senior DevOps Engineer

AUG 2020 - SEP 2021

- Handled ~1.2M requests per day
- Scaled and maintained PostgreSQL and Google Kubernetes Engine Cluster
- Managed entirely by the CTO and myself
- Enhanced our custom Python CI/CD tool with new features
- Contributed to Python automation scripts and internal tools
- Including a Python tool managing 70+ Git repositories
- Deployed and configured Grafana and Prometheus monitoring stack
- Planned and organized the DevOps roadmap
- Identified infrastructure weaknesses and implemented fixes
- Executed cost-optimization initiatives

Independent DevOps Consultant

Senior DevOps Engineer

APR 2019 - DEC 2019

Client: SensorNetworks

OCT 2019 - DEC 2019

- Authored Helm charts
- Implemented Prometheus & Grafana monitoring solution

Client: Private

AUG 2019 - SEP 2019

- Migrated a LAMP-stack application from bare-metal servers to AWS

Client: OneConfig

APR 2019 - AUG 2019

- Managed a fleet of 30+ Linux servers.
- Provisioned, configured, and migrated servers
- Handled patching, backups, monitoring, and incident response
- Renewed and managed Let's Encrypt certificates
- Operated and maintained a CockroachDB cluster
- Implemented automation using Ansible, Bash, and Go
- Dockerized the staging environment
- Cost optimizations
- Provisioned and managed KVM virtual machines

Kurtosys

Senior Platform Engineer

AUG 2017 - MAR 2019

- Hybrid role: Ops engineering and full-stack development
- One of three team members
- Architected and developed an end-to-end WordPress hosting platform
- Web app tech stack: React and TypeScript
 - Key responsibilities: infrastructure and backend development
 - Optimized and improved Docker images
 - Automated DNS, TLS, CI/CD and GIT workflows
 - Implemented Docker Swarm and GlusterFS infrastructure
 - Automated a multi environment WordPress site provisioning
 - Integrated all components into a cohesive platform
- Deployed and maintained an internal Gitlab server
- Infra as code with Puppet and Ansible
- Tested configurations using Vagrant

Manalto

DevOps Engineer

MAR 2017 - JUL 2017

- Deployed and maintained Linux servers
- Administrated MongoDB
- Managed AWS services and CI/CD pipelines
- Containerized staging using Alpine-based Docker images
- Built Bitbucket and Jenkins pipelines for the Docker staging environment
- Automated AWS Route53 CNAME creation
- Wrote init.d scripts and a Docker management script in Bash
- Integrated AWS CloudWatch metrics into Grafana dashboards
- Deployed private NPM registry

OLX

DevOps Engineer

APR 2016 - JAN 2017

- Co-managed six OLX country sites across Africa
- olx.co.za alone was receiving millions of pageviews per day
- Maintained high-scale Linux servers, MySQL, Redis databases
- Deployed Sensu for monitoring and alerting
- Deployed ELK stack and created custom dashboards
- Automated SSH key provisioning and rotation using Ansible
- Bash and Ruby scripting

8Frag

Linux Systems Administrator

JUL 2014 - APR 2016

- Deployed and maintained Ubuntu and Windows servers
- Migrated game servers between Linux and Windows servers
- Deployed of SRCDS game servers(CS:GO and TF2), GOTV proxy servers
- Created and modified game server configurations
- Installed and Configured of plug-ins for the game severs
- Tested game servers and software
- Deployed and configured of UnrealIRC and Teamspeak
- Implemented of game server web-panel TCAAdmin
- Installed Pulseway (monitoring solution), later replaced with LibreNMS
- DDOS mitigation with Bash, UFW, IPTables and Apache logs
- Wrote tutorials on how to use and manage game servers
- Bash scripting and SSL installation
- Client support via tickets and teamspeak
- Game tournament support and administration
- Managed and trained a Junior Linux Systems Administrator

Ockhams Razor

Junior Linux Systems Administrator

FEB 2014 - APR 2014

- Gained hands-on experience with Debian Servers and RAID
- Training highlights:
- Solid understanding of Linux fundamentals (LPI Level 1)
- apt-get package management
- Apache web server deployment and configuration
- Postfix email server administration and mailflow troubleshooting
- Deploying and configuring web sites/panels and ISP config
- BASH, AWK, SED and REGEX Scripting
- DNS and configuring network interface cards

Maxitec - Internet Service Provider

Internet and IT Support

JAN 2012 - JAN 2014

- Responded to all calls, e-mails and walk-in clients
- Service call outs for resolving hardware, software and end users problems
- Provided customer support for all issues relating to
- Windows/Apple computers, mobile devices, routers, hosting, e-mails, VOIP
- Created and updated support documentation
- Provided IT support for a point-of-sale system
- Assisted with Vodacom accounts and device support

Top Skills

NodeJS & Typescript

60%

GNU/Linux - CentOS & Debian

90%

Cloud - AWS, DO, Google

70%

Python

60%

Docker Swarm

90%

Ansible

90%

Ruby

40%

Docker

90%

Puppet

50%

Bash

80%

Kubernetes & Helm

60%

Virtualbox, KVM, Vagrant

70%

CI/CD

60%

Networking

50%

Postgresql DB Admin

60%

Monitoring & Alerting

90%

Github

github.com/Narayana108/

Education

Redhat Certified Systems Administrator

RED HAT

SEPTEMBER 2015

Other Interests

- Sanskrit
- Linguistics
- Logic & Epistemology
- Comparative Philosophy
- Indian Classical Music
- Dance (Classical & Experimental)
- Poetry
- Holistic Health
- Travel