

# Nārāyaṇa Dās Harricharaṇ

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

8 years of DevOps engineering experience; 10 years total professional IT experience.

**Soft skills:** adaptable and fast-learning; analytical problem-solver; clear communicator and technical writer; leadership and mentoring; disciplined, research-driven, creative, and highly dedicated.

**DevOps experience summary:**

- Building, scaling, and maintaining high-traffic Linux servers, Kubernetes, and Docker Swarm clusters
- Designing and operating high-availability infrastructure
- Building and administering PostgreSQL and other databases at scale
- Web-app and environment migrations
- Cloud platforms - AWS, Google Cloud, DigitalOcean
- CI/CD pipeline design and improvement
- Infrastructure as Code and configuration management: Ansible, Puppet
- Monitoring, logging, metrics and alerting: Prometheus, Grafana, ELK, LibreNMS
- Writing APIs and unit tests in TypeScript
- Creating internal tools, scripts, and automation in Python, Ruby, Node.js and Bash

## Recent venture

### Traditional Vedic Studies & Community Service (India)

Traditional Vedic Studies

JANUARY 2021 - DECEMBER 2026

- Completed a 5-year immersive residential program combining meditation, traditional scholarship, and community service across multiple temples and ashrams in India.
- Maintained a strict, structured ashram lifestyle requiring discipline, consistency, and commitment.
- Operated in fast-paced, resource-constrained environments requiring adaptability, teamwork, resilience, and reliability.
- Delivered classes in Vedic philosophy & psychology, Hindi, Sanskrit, and classical logic & epistemology.
- Mentored community members on personal development, discipline, and wellbeing.
- Major subjects studied: Ashtanga Yoga, Hindi, Sanskrit (foundational), Indian classical music, classical logic & epistemology, Vedic philosophy and psychology.

## Experience

### Rehive

DevOps Engineer

AUGUST 2020 - SEPTEMBER 2021

- The CTO and myself together managed the entire kubernetes clusters on scale, getting about 1.2 million requests per day
- Improved and added extra features to our custom CI/CD tool written in python
- I wrote python scripts and tools to automate recurring devops tasks and to help manage 70+ git repos
- Troubleshooting, scaling and maintaining postgresql, kubernetes, web app and internal tooling
- Implemented Grafana & Prometheus monitoring stack
- Planning and organizing the devops roadmap, finding weak points in the infra and prioritizing new solutions
- Cost optimizations

### Freelancer

DevOps Engineer

SEPTEMBER 2019 - DECEMBER 2019

- Migrating a LAMP Stack website from bare metal server to AWS
- SensorNetworks - Assisting them in creating helm charts and a monitoring solution

### OneConfig

DevOps Engineer

APRIL 2019 - AUGUST 2019

- I was in charge of 30+ servers.
- Creating, maintaining and migrating servers
- Updating Letsencrypt certs
- Maintaining a Cockroachdb cluster
- Automation in Bash and Go
- Dockerizing staging the staging environment
- Cost optimizations
- Creating KVM virtual machines

### Kurtosys

Platform Engineer

AUGUST 2017 - MARCH 2019

- This was a hybrid role where I was both involved with ops engineerings and full stack development
- I developed and architected a wordpress hosting platform in react, typescript, nodejs and bash
  - I worked mostly on the backend development (API's and scripts) and infra
    - Optimizing and improving docker images
    - Automated DNS, TLS, CI/CD with git
    - Implementation of the docker swarm and glusterfs infrastructure
    - Automated the entire site creation process, glueing all the different parts together
- Created and maintained an internal gitlab server
- Infra as code with puppet and ansible and testing on vagrant

### Manalto

DevOps Engineer

MARCH 2017 - JULY 2017

- Creating and maintaining servers, mongodb, AWS services and CI/CD
- Dockerized the staging env in alpine linux
- Created bitbucket pipelines and jenkins for the new docker environment
- Bash scripting - automated AWS route53 cname creation, init.d start scripts, docker management script, etc
- Adding AWS Cloudwatch graphs to grafana
- Setting up a private npm registry

### OLX

DevOps Engineer

APRIL 2016 - JANUARY 2017

- I helped manage 6 OLX's websites in africa. Our biggest site olx.co.za was receiving millions of pageviews per day
- Maintaining high scale linux servers, mysql, redis
- Setup sensu for alerting
- Setting up ELK stack and creating graphs
- Automation of ssh keys with ansible
- Very basic bash and ruby scripting

### 8Frag

Linux Systems Administrator

JULY 2014 - APRIL 2016

- Creating and maintaining ubuntu and window servers
- Migrating game servers between linux and window servers
- Installation of SRCDS game servers(CS:GO and TF2), GOTV proxy servers
- Creating and modifying game server configurations
- Installation and configuration of plug-ins for the game severs
- Testing game servers and software
- Installation and configuration of unrealirc and teamspeak
- Implementation of game server web-panel TCAAdmin
- Installing a monitoring solution called pulseway, later I replaced it with LibreNMS
- DDOS mitigation with bash, ufw, iptables and apache logs
- Writing 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
- Managing and training a junior linux systems administrator

### Ockhams Razor

Junior Linux Systems Administrator

FEBRUARY 2014 – APRIL 2014

- I received hands on experience with Debian Servers, RAID, BASH, AWK, SED and REGEX Scripting and also in-depth knowledge on the fundamentals of Linux LPI1.
- My training also consisted of: apt-get package management, setting up web servers with Apache, setting up e-mail servers with Postfix, installing web sites/panels, installing and configuring ISP config, bash scripting, mail flow troubleshooting, setting up DNS and configuring network interface cards.

### Maxitec - Internet Service Provider

Internet and IT Support

JANUARY 2012 – JANUARY 2014

- Responding to all calls, e-mails, walk in clients and service call outs for diagnosing and resolving hardware, software and end users problems within agreed time scales.
- Providing efficient customer support for all issues relating to desktops, laptops, apple macs, mobile devices, peripherals, routers, WIFI, telecommunication, hosting, e-mails, VOIP and networking technologies.
- Taking ownership of a call/instruction and seeing it through to closure.
- Escalating calls and issues where necessary to seniors.
- Updating support documentation
- IT support for 'Maxiclub' Point of Sale System and helped out with Vodacom accounts and device support.

## Top Skills

NodeJS & Typescript

60%

Python

60%

Ruby

40%

Bash

80%

CI/CD

60%

Monitoring & Alerting

90%

GNU/Linux - Centos & Debian

90%

Docker Swarm

90%

Docker

90%

Kubernetes & Helm

60%

Networking

50%

Cloud - AWS, DO, Google

70%

Ansible

90%

Puppet

50%

Virtualbox, KVM, Vagrant

70%

Postgresql DB Admin

60%

## Projects

[github.com/Narayana108/](https://github.com/Narayana108/)

## Education

### Redhat Certified Systems Administrator

RED HAT

SEPTEMBER 2015

## Other Interests

- Sanskrit
- Classical logic & epistemology
- Vedic philosophy & psychology
- Classical indian music
- Wholeistic health
- Travel

