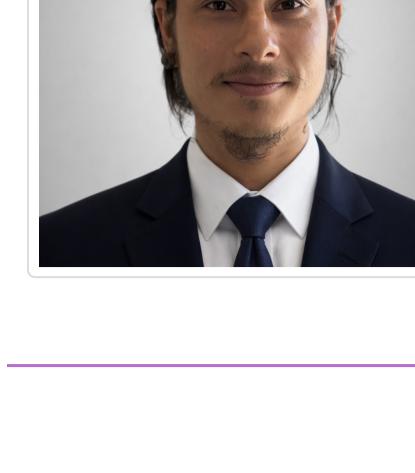


# Nārāyaṇa Dās Harricharan

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

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:

- Built, scaled, and maintained high-traffic Linux servers
- Kubernetes and Docker Swarm clusters
- Designed and ran high-availability infrastructure
- Built and administered PostgreSQL and other databases at scale
- Migrated web applications and environments
- Cloud platforms - AWS, Google Cloud, DigitalOcean
- Designed and improved CI/CD pipelines
- Infrastructure as Code and configuration management: Ansible, Puppet
- Monitoring, logging, metrics and alerting: Prometheus, Grafana, ELK, LibreNMS
- Developed TypeScript APIs with unit tests
- Built 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

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

## Experience

### Rehive

Senior DevOps Engineer

AUGUST 2020 - SEPTEMBER 2021

- Handled ~1.2M requests per day
- Scaled and maintained PostgreSQL, Kubernetes, web app and internal tooling
- Managed entirely by the CTO and myself
- Enhanced and extended our custom Python CI/CD tool with new features
- Built Python automation scripts and tools to manage 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

APRIL 2019 - DECEMBER 2019

#### Client: SensorNetworks

OCTOBER 2019 - DECEMBER 2019

- Authored Helm charts
- Implemented Prometheus & Grafana monitoring solution

#### Client: Private

AUGUST 2019 - SEPTEMBER 2019

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

#### Client: OneConfig

APRIL 2019 - AUGUST 2019

- Managed 30+ servers
- Maintained and migrated servers supporting high-grade secure networking infrastructure
- Provisioned, configured, and operated server fleet
- Performed 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

AUGUST 2017 - MARCH 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

MARCH 2017 - JULY 2017

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

### OLX

DevOps Engineer

APRIL 2016 - JANUARY 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 an ELK stack with custom dashboards and visualizations
- Automated SSH key provisioning and rotation using Ansible
- Bash and Ruby scripting

### 8Frag

Linux Systems Administrator

JULY 2014 - APRIL 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 servers
- Tested game servers and software
- Deployed and configured of UnrealIRC and Teamspeak
- Implemented of game server web-panel TCAdmin
- 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

FEBRUARY 2014 – APRIL 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

JANUARY 2012 – JANUARY 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

- IT support for 'Maxicloud' Point of Sale System

- Assisted with Vodacom accounts and device support

## Top Skills

NodeJS & Typescript      GNU/Linux - Centos & Debian      Cloud - AWS, DO, Google

Python      Docker Swarm      Ansible

Ruby      Docker      Puppet

Bash      Kubernetes & Helm      Virtualbox, KVM, Vagrant

CI/CD      Networking      Postgresql DB Admin

Monitoring & Alerting      90%

## 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

- Holistic health
- Travel

