

# 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 DevOps experience.

Specializing in high-traffic, automated platforms.  
Engineered for reliability, observability, and long-term cost efficiency.

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

### DevOps experience summary:

- Architected resilient, high-availability systems
- Sustained high-traffic workloads
- Kubernetes (GKE) and Docker Swarm orchestration
- Cloud platforms: AWS, Google Cloud, DigitalOcean
- PostgreSQL and other databases
- CI/CD Design and implementation
- Configuration management: Ansible, Puppet
- Observability: metrics and logs (Prometheus, Grafana, ELK)
- Web application and environment migrations
- Internal tooling and automation (Python, Ruby, Node.js, Bash)
- Backend and API development in TypeScript (unit tested)

### Human Systems Skills:

- Multilateral thinker; adaptable and analytical
- Ability to simplify complexity
- Clear communicator and technical writer
- Leadership and mentoring
- Innovative problem-solver; disciplined and dedicated

## Recent Sabbatical

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

Traditional Vedic Studies

OCT 2021 - DEC 2025

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

*Pāṇini's Aṣṭādhyāyī (~2,500 years old) is an algorithmic masterpiece - an ancient, formally precise treatise on Sanskrit grammar that functions like a compiler. Its rule-based system encodes programming concepts such as classes, meta-rules, scoping and inheritance.*

## 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

### DevOps Consultant / Contractor

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: DevOps and full-stack engineering
- One of three platform engineers for the project
- Project: Architected and built a highly available, end-to-end WordPress hosting platform
- Key Contributions:
  - Built backend platform services and API's in TypeScript (unit tested)
  - Architected a multi-environment system (dev, staging, production)
  - Automated WordPress provisioning and lifecycle management
  - Implemented CI/CD pipelines and Git workflows per environment
  - Built high-availability infrastructure using Docker Swarm and GlusterFS
  - Integrated platform services: DNS, TLS, backups, restores, databases
  - Optimized and maintained Docker images
  - Deployed and operated a high-availability internal GitLab
  - Automated GitLab provisioning and configuration using Puppet
  - Tested infrastructure automation with Vagrant
  - Provisioned and managed cluster components using Ansible

### 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

- Administered and maintained Ubuntu and Windows servers
- Managed AWS services: EC2, S3, Route 53
- MySQL database administration
- Deployed and configured game servers(CS:GO and TF2)
- Migrated game servers between Linux and Windows servers
- Tested game servers and software
- Deployed and configured UnrealIRC and Teamspeak
- Implemented game server web-panel TCAAdmin
- Deployed and configured monitoring solutions (Pulseway and 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 and game tournament support
- 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

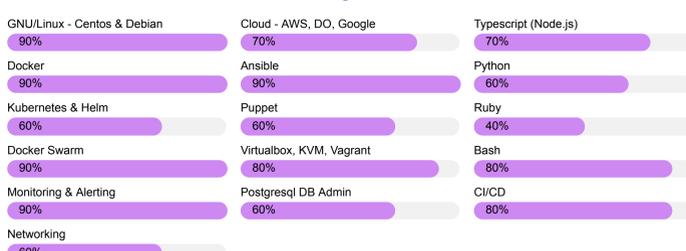
### Maxitec - Internet Service Provider

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

## Top Skills



## Github

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

## Education

### Redhat Certified Systems Administrator

RED HAT

SEPTEMBER 2015