Nārāyan Harricharan

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Name: Nārāyaṇa Dās Harricharaṇ

Date of birth: 25/08/1993

Nationality: South African

Current location: India (GMT+5:30)

Languages: English, Afrikaans and Hindi

Profile

I specialize in devops engineering, but I can work on all aspects of the stack. I learn, adapt and solve problems swiftly.

I have excellent written and verbal communication skills. I enjoy working in a meticulous manner, doing thorough research and thinking critically about my solutions.

I am a digital nomad and love traveling, exploring both the inner and outer worlds. By being a mindful person I am always reflecting, learning and growing.

Devops experience:

- Building, monitoring and maintaining high traffic linux servers and systems
- Scaling, building, monitoring and maintaining high traffic kubernetes clusters
- Scaling, monitoring and maintaining high traffic postgresql clusters
- Web app migrations
- Building CI/CD systems
- Creating internal tooling
- Dockerizing web application and other services
- Infra as code
- Infra cost optimizations

Backend coding experience:

- Writing API's in Typescript
- Writing unit tests in Typescript
- Scripting in Python, Ruby, NodeJS and Bash

Experience

Rehive

DevOps Engineer   AUGUST 2020 - SEPTEMBER 2021

- Myself and the CTO managed 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 TCAdmin
- 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	GNU/Linux - Centos & Debian	Cloud - AWS, DO, Google
60%	90%	70%
Python	Docker Swarm	Ansible
60%	90%	90%
Ruby	Docker	Puppet
40%	90%	50%

Bash
80%

Kubernetes & Helm
60%

Virtualbox, KVM, Vagrant
70%

CI/CD
60%

Networking
50%

Postgresql DB Admin
60%

Monitoring & Alerting
90%

Projects

github.com/Narayana108/

Education

Redhat Certified Systems Administrator
RED HAT   SEPTEMBER 2015

Interests

GNU/Linux ◆ Coding ◆ Crypto currencies ◆ Open-source software ◆ Minimalism ◆ Travel ◆ Health ◆ Yoga ◆ Theosophy ◆ Sanskrit

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Website by Nārāyaṇa