

BYOMAKESH MAHARANA

IT Systems & Operations Engineer

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Bengaluru, India

byoms



EXPERIENCE

DevOps Engineer

EdGE Networks

June 2019 – Ongoing

Bengaluru, IN

- Automation of setup, configuration, tuning and deployment that is production ready for most important systems in the stack using Ansible. Starting with MongoDB and Elasticsearch cluster configurations, the tooling has been extended over time to include various other systems as well.
- Undertaking complete ownership and responsibilities of overseeing the management and operation of non-production environments. Driving and facilitating the migration of several disparate isolated environments to a single consolidated environment, unified with a more cost efficient architecture.
- Actively participated and contributed in reducing direct costs of infrastructure resources by investigating, reviewing and taking the necessary action for our legacy assets on various different cloud providers.
- Addressing and partaking in the resolution of issues and incidents in production environments. Played an active role in supporting the remediation of two major episodes of sustained environment instability in critical projects.

Intern, DevOps Engineering

EdGE Networks

November 2018 – May 2019

Bengaluru, IN

- From conception through implementation and deployment, worked end-to-end on the data-store backup management project. The system was deployed and continues to be in use even today across all production environments.
- Developed a simple application to provide the data required for visibility and monitoring of costs for our entire IT infrastructure on DigitalOcean.
- Assisted in developing tooling for DNS (hosted on AWS Route53) management via AWS CodeCommit and Lambda.
- Automation of generating and issuing (email) weekly reports through Jenkins.

Intern, Research & Development

Vidatt Analytics

May 2018 – August 2018

Bengaluru, IN

- Assisted with custom implementations of image signal processing algorithms.
- Worked on improving the throughput performance of the core engine in the flagship product ("Presence").
- Refactoring legacy code for a few key modules in the project.

PROFILE

Tools



Cloud Platforms



Technologies



EDUCATION

Bachelor of Engineering, Electronics & Communication

PES Institute of Technology

Aug 2013 – July 2017

Operating Systems

Network Security

Computer Networks

Second Class Division

AISSCE - CBSE, India

The Oxford Senior Secondary School

June 2011 – May 2013

Introduction to Programming in C/C++

84.3%

TECHNICAL SKILLS

Configuration Management Automation

GNU/Linux System Administration

Build Automation

Database Operations & Administration

Distributed System Operations

Shell Scripting & Automation

Basic Programming in Python

KEY CONTRIBUTIONS



Configuration Management Automation using Ansible

Built tooling for automation of initial server configuration and production ready deployment of the most important and common systems.



Production environment setup time was reduced upto 50% resulting in more agility with higher reliability.



Backup Automation System using Jenkins

Automated a complete pipeline from taking backups to compressing, encrypting and storing on the cloud through Jenkins on a regular basis; including a simple notification system to alert stakeholders in case of failures.



Data loss risk mitigation, improving the disaster recovery posture for data in the production environments.

REFEREES

VINAY RAGHAVAN



Cloud Platform, Citrix India



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