

Nitin Nagpal {nitinnagpal.me}

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Professional Summary

A Google Certified Cloud Architect, AWS 5/5 Certified & Docker Certified. Have a total experience of 5+ years which includes server infra architecting, automation, tuning and deploying of latest open-source tools on Linux based systems running in the cloud.

Work Experience

BirdEye, Gurgaon

Senior DevOps Engineer

Oct 2017 – Feb 2018

- Cloud Infrastructure as Code using **Terraform, Packer & Ansible**
- Monitoring setup using **Zabbix, NewRelic & Grafana**
- **OpenVPN** Setup for secure access to servers

Acquia, New Delhi

Cloud Systems Engineer

Nov 2016 – Oct 2017

- Providing Operations Support for **Cloud Hosting** Infra of **17k** AWS servers
- Responding to **PagerDuty Alerts** for Customer's Site Down Issues and resolving them
- Support for **MySQL Master Slave** setup and troubleshooting issues
- **Auditing Servers** for performance and suggesting upsize/downsize and tuning
- Monitoring using **Nagios, SignalFX, Graphite, NewRelic & Sumologic**

Jugnoo, Chandigarh

DevOps Engineer

Aug 2015 – Oct 2016

- **AWS** Inter Region Migration of complete Infrastructure with almost zero downtime
- Setting Up **MySQL Master Slave** replication including **multi-source** slave
- Setting Up **ELB + nginx** with **HTTP/2.0** support to scale app backend for more traffic
- Monitoring setup using **CollectD, Graphite** and **Grafana**
- Centralized Logging using **ELK** (Elasticsearch, Logstash, Kibana) Stack
- Migrating Backend from **HTTP/1.1** to **HTTP/2.0** for better connection management
- Deploying **Node.js** Application in Cluster Mode on Servers using **PM2**
- Setting Up **Serverless API Backend** using **AWS Lambda & API Gateway**
- Deployment of Highly Scalable **OSRM Backend** using **AWS Auto Scaling** feature
- Maintaining Script for **Google BigQuery - MySQL** Data Sync for Analytics
- Setting Up Open-Source Tools like **Rocket Chat, Odoo, ERPNext, Redmine**
- Maintaining Infra of a subsidiary app on **Google Cloud**
- ★ Awarded '**Employee of the Quarter**'

PromptCloud, Bengaluru

Senior Software Engineer

Mar 2014 – Aug 2015

- System orchestration via **Ansible**
- **MariaDB Galera Cluster** setup to replace SPOF MySQL
- Monitoring and Alerting setup using tools like **Graphite**, **Grafana** and **Seyren (Dockerized)**
- **Centralized Logging** using ELK (Elasticsearch, Logstash, Kibana)
- Deployed **OpenLDAP** in multi-master replication mode
- Deployed **Redis** in master-slave mode
- Client Specific Scripts for **Mass Scale Web Crawling & Extraction**
- Setting-Up **Searchable E-commerce Feed** for Analytics & Product Matching across Domains for a leading E-commerce company
- Deployment of a Highly Available Load Balancer setup using **HAProxy & Heartbeat**
- Setting-Up & Integrating **Selenium Grid**
- ★ Awarded '**The Flying Colors Award**' for performance

Infosys Limited, Pune

Systems Engineer

Jul 2012-Mar 2014

- AWS Infrastructure Support
- Private Cloud Management

Professional Certifications & Skills



Google
Certified Professional
Cloud Architect



Educational Background

B.E. (Information Technology)

U.I.E.T - Panjab University

Jul 2008-May 2012

Chandigarh

Trainings & Projects

Sep 2017	Architecting with Google Cloud Platform (Online)	Coursera
Jul 2013	Oracle University (At Infosys, Mysore)	Oracle IDAM Suite 11gR2
Jun 2013	Koenig Solutions, Bangalore	VMware vSphere 5.1
Jan 2012-May 2012	Infosys Limited, Mysore (Internship)	Open Systems
	Project: - 'Setting up Oracle Grid Infrastructure'	Oracle DB 11gR2
Aug 2011-Nov 2011	Project: - 'Java Web Browser with User Specific Content'	Core Java
Jun 2011-Jul 2011	Alpha Net Technologies Pvt. Ltd., Chandigarh (Summer Industrial Training)	
	Project: - 'Web Drive Explorer'	Adv. Java
Jun 2010-Jul 2010	CDAC, Mohali (Summer Industrial Training)	
	Project: - '8085 Microprocessor Simulator'	Core Java

