

Sandeep Lamba

Senior DevOps Engineer

IT professional with 10+ years of proven experience. Specialisation in building, moving, architecting, supporting, automating and optimising infrastructure to public cloud for mission critical applications using Kubernetes, AWS, CI/CD/CM tools and DevOps processes. Nudging with numerous DevOps and CloudNative tools and technologies. Reach out if you want to create world class infrastructure, need a DevOps Jedi, talk technology, mythology, Game-of-Thrones or any other random topic.



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SKILLS

Kubernetes Docker AWS Istio Python Golang Jenkins Gitlab Prometheus/AlertManager Splunk
Terraform Thanos Git Bash CI/CD Infrastructure Cloud Helm Kustomize Kapp Kaniko
Terragrunt ChartMuseum Calico Kubernetes Tooling Falco OPA PagerDuty

WORK EXPERIENCE

Senior DevOps Engineer



GrandParade

03/2018 – Present

Krakow, Poland

GrandParade is part of William Hill. In Krakow we're building advanced products and systems that power online sports betting and gaming.

Achievements/Tasks

- Hit 100% Uptime for a quarter after moving first on-prem Application to AWS
- Created new Monitoring System with Prometheus/AlertManager/PagerDuty/Grafana and made support team 15 mins faster in responding an issue
- Implemented A/B, Blue/Green Deployment strategy for applications using Istio Service Mesh. Applications time to market increased significantly and normal developers says it saved them 30-45 min of deployment everyday
- Updated AWS infrastructure deployment strategy with Terragrunt & Terraform to keep code DRY. Created 5 more modules repositories to not to repeat code in every Terraform product
- Created the Redis-Cluster for the first time in on-prem cloud which decreased TTFB of site by 3 seconds 
- Talked about Prometheus & Thanos in DevOps-Meetup in a 45 Min slot 

DevOps Engineer

Tabella

11/2016 – 01/2018

Prague, Czech Republic

Tabella is small company dealing with e-gaming clients, affiliate acquisition programs, apps & games development with eye on VR/AI technologies

Achievements/Tasks

- Configuration Management of 100's of servers spread across world
- Administration of 75+ sites DNS, CDN, 3 Mail-Servers, Local office firewall and Infrastructure
- Created Monitoring & Alert system using Icinga2 for 10 new servers which has given visibility/traceability of issues to support team
- Management of infrastructure in AWS & RackSpace public cloud. Converted everything to infrastructure-as-a-code using terraform for AWS as previously RDS/EC2/CloudFront were created manually. It lead to faster deployment and 100% versioning changes visibility
- Introduced open source tools like Kubernetes, Terraform, RunDeck, Icinga2, Prometheus to increase the productivity significantly and at 0 cost of company
- Used tools like Zimbra, NewRelic, GrayLog, CloudFlare, InCapsula and made significant automation around them to remove manual upgrades, changes steps. It decreased downtime and manual error possibility to almost 0

WORK EXPERIENCE

Systems and Integration Engineer

Gemalto 

01/2016 – 11/2016

Prague, Czech Republic

Gemalto works in digital identity and data protection technologies, offices in 47 countries and worldwide digital security expertise.

Achievements/Tasks

- Created Infrastructure for Developers using automation tools like Puppet, Ansible for faster creation, updating, deletion of VM's and it saved my 1 hour time every week to create and destroy infra for developers testing
- Created and Maintained CI/CD Pipeline in Jenkins for developers. Upgrades of Jenkins Plugins was a big issue. Created automation around it using Jenkins docker images which saved 30-60 minutes of downtime every time new version of plugin comes
- Improvised the Performance Testing for applications by introducing new tools in company like statsD, Graphite, Grinder. Metrics provides better visibility to make decisions about scaling of application
- Migrated monoliths apps to micro-services world specially Jenkins and reverse proxy. Saved 30-60 min for me on every upgrades
- Introduced significant Automation using Python, Bash, Java, Docker to do faster deployment and to increase uptime of infra used by developers. Saved almost 3-4 hours of manual work per week
- Used tools like Ansible, Docker, RunDeck, Jenkins, Grinder, StatsD for everyday job to save 30 min more time for coffee with friends

System Integrator

Gemalto 

01/2012 – 12/2015

Singapore, Singapore

Gemalto works in digital identity and data protection technologies, offices in 47 countries and worldwide digital security expertise.

Achievements/Tasks

- Integration of application infrastructure in data center using vm's, veritas cluster for HA. Found out bugs in rollout script for veritas scaling which was alerting 20 seconds later once an application was down
- Increased the frequency of installation of banking NFC implemented products in data center with further enhancing automation by 3-4%. Wrote python scripts and changed the dependancy structure of scripts
- Configuration of Firewalls, Servers, VMs, Hardware Security Modules(HSM) Key Ceremony
- Administration of Monitoring & Centralised Logging Platforms
- Conducting UAT(User Acceptance Tests) for Japanese customers in Japan
- Used tools like Python, VCS, Weblogic, JBOSS, Jenkins. Mastered them at pro level and created repo among colleagues

Technical Associate

Tech Mahindra 

09/2008 – 07/2011

Milton Keynes, UK

Tech Mahindra is service based company with involvement in Health, Energy, Technology, Manufacturing, Retail etc.

Achievements/Tasks

- Proactive Maintenance/Vigilance of systems and databases to meet 99.99% SLA
- Provide software code changes & bug fixes to developers
- Liaising with Dev Teams to resolve/replicate issues in production & provide a code change to team
- Creating root cause analysis of issues after understanding technically the cause of it inside the code
- Responsible to provide support for BT applications like ITV and to make sure they are up and running

CERTIFICATES

Certified KuberNetes Administrator

(08/2018 – 08/2021)

Credentials ID - CKA-1800-0677-0100

AWS Certified Solutions Architect - Associate (SAA)

(03/2019 – 03/2022)

Credential ID - LP3TBB6KLMRQ1CGR

VOLUNTEER EXPERIENCE

Tech MeetUp Speaker GrandParade

09/2019

DevOps meetup talk about Prometheus and Thanos

Krakow, Poland

Tasks/Achievements

- Talked about Prometheus & Thanos in DevOps-Meetup with 50+ audience in the hall
- Achieved big visibility among DevOps community in Krakow
- Made lot of contacts due to talk and start contributing in Open Source tools with them

LANGUAGES

Hindi

Native or Bilingual Proficiency

English

Full Professional Proficiency

HONOR AWARDS

Star Performer (04/2017)

Tabella - Prague, Czech Republic

Quarterly Employee Award (07/2015)

Gemalto, Singapore

INTERESTS



Sci-Fi



Marvel



Technology



Meditation



Volleyball

REFERENCES

Kapil Sharma

"Systems Integration"

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"Project Manager"

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