



## Amit

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### Job description:

Working in Onjection Labs Private Limited as a DevOps Engineer to architect the new projects. Help client to adopt cloud environment and migrate from on-prim to multiple cloud solution. Setup secure and scalable infrastructure from scrap with end-to-end automation. Optimize infrastructure cost and work closely with developers. Bring services from code commit to production.

### Professional Qualification:

- Red-Hat Certified Engineer V.7- (RHCE ID # 160-206-694)
- Red-Hat Certified System Administrator V.7- (RHCSA ID # 160-206-694)
- Kubernetes training by Google.
- AWS Certified Cloud Practitioner CLF-C01. (Training)
- AWS certified developer associate. (Training)
- AWS-DevOps certification professional. (Training)
- AWS solution architect associate. (Training)
- Azure architect technical AZ-300. (Training)
- Google Cloud Networking. (Training)
- Artificial Intelligence & Machine Learning.

### Professional skills:

Cloud platform	AWS, GCP, Digital-Ocean, Azure
GCP Skills	Instances, Kubernetes, Cloud-build, PUB/SUB, Load balancer, Stack driver, CloudSQL, Managed cache, Bucket, IAM, Service Accounts, registry, Filestore, snapshots
AWS Skills	VPC, EC2, Beanstalk, Kubernetes, Route53, Load Balancer, Fargate, CloudWatch, RDS, EBS, API Gateway, Lambda, AMI, IAM, snapshots
CI/CD Tools	Jenkins (Master-slave), Gitlab-CI (Master-slave), Circle-CI
Azure	VNET, Security groups, Blob Storage, Containers, VMs IAM roles, Azure Devops, Repos.
IaC	Terraform
Package manager	Helm
Scripting Skills	Python, Shell script, Groovy
Container-orchestration Tools	Kubernetes Engine
Configuration management tool	Ansible & Ansible Tower
Monitoring	ELF, EFK, Grafana

Ingress LB	Nginx Ingress, Treafik Ingress load balancer
Caching tools	Redis (Master-Slave)
Other Tools	Docker, MySQL, Git, HA-Proxy, Nginx, Apache
Others	Artificial Intelligence & Machine Learning, Data-Scientist

### **Professional Projects experience (Top 5 out of 23):**

**Project 1:** Fintech Digital landing.

**Project Role:** DevOps Engineer

**Company Overview:** Provide loans to the publics.

**Project Requirements:**

- Architect the whole project on Google cloud from scrap.
- Setup secure infrastructure to prevent hackers and root level malwares.
- CI/CD tools and pipelines with end-to-end automation.
- Optimize cost without impacting the performance.
- Infrastructure as a code to manage and provision the required infrastructure.
- A-Z fault toleration setup for smooth production workloads.
- Disaster recovery site in case of region failure or natural disaster.
- Zero downtime when deploy micro services and efficient rollback if required.
- Continuous integration and continuous monitoring.

**Technology used:** Jenkins (Master-Slave), GKE, CloudSQL, Redis, PUB/SUB. ELK, Grafana, SonarQube, Terraform, Helm, OpenJDK, Alpine

**Project 2:** Crime Branch (Confidential)

**Project Role:** DevOps Engineer with AI support engineer.

**Organization Overview:** Track, control and identify the criminals and public safety.

**Project Requirements:**

- Architect the AI micro service for on-prim, govt agencies DC and GCP Cloud.
- Containerize AI services (19+) and bring them from local environment to on-prim, Govt DC.
- Help developers to decouple AI services for specific actions.
- Enable GPU for each AI services for powerful computation to process cameras live streams.
- Kafka in cluster mode and scale-up/down AI services according to the queue.
- Cost optimization and scale down AI services when there is no active tracking.
- Setup secure infrastructure to prevent hackers, root level malwares and black-box networking.
- End-to-End automation with CI/CD pipelines.

**Technology used:** Jenkins, GKE, Terraform, Docker, GCP Bucket, KEDA, Kafka, Filestore, Python, ELK, Grafana Stack, Artificial Intelligence.

**Project 3: Govt (Confidential)****Project Role:** DevOps Engineer**Organization Overview:** Global construction and building.**Project requirement:**

- Architect complete project on AWS cloud from scrap.
- Scalable and A-Z fault toleration setup for production workload.
- Containerize node based micro services.
- CI/CD pipelines with end-to-end automation.
- Code quality tool integrations with CI/CD to identify code smell.
- Intelligent DNS dynamic routing to handle each construction site.
- Infrastructure as a code to provision environments on demand.
- Disaster recovery site on GCP to handle region outage.

**Technology used:** AWS, Kubernetes, Gitlab-ci, Nodejs, Route53, RDS, Ingress load balance, Cache, Terraform, Helm, ELK**Project 4: Confidential****Project Role:** DevOps Engineer**Organization Overview:** Hotels and tourism asset control.**Project Requirements:**

- Enable A-Z capability in the existing AWS setup.
- Deploy all micro-services to the VIP hotels DC.
- Add DevOps methodology and automation in the existing system.
- Convert legacy deployment workflow with version control mechanism.
- Setup CI/CD pipelines for each micro services on each region.
- Upgrade infrastructure and make production to handle millions of requests per second.
- Add continuous deployment and continuous monitoring.
- Zero downtime deployment strategy for production workload.
- Code quality integration to catch bugs in the code.

**Technology used:** AWS, Gitlab-CI, KONG API gateway, HA-Proxy, IIS, Docker, Fargate, ALB, NLB, Cloudwatch, SonarQube, ELK, Zabbix, PostgreSQL, Blue-Green.**Project 5: Confidential.****Project Role:** DevOps Engineer**Organization Overview:** Connect businesses, freelancers and agencies around the world.**Project requirements:**

- Architect the complete infrastructure on Google Cloud and take approvals from stake-holders.
- Setup multiple Kubernetes environments as required.
- CI/CD pipelines with end-to-end deployment and automation.
- A-Z fault tolerance Kubernetes setup for production micro services.
- Failover database strategy to handle outage.
- Micro services as a code with Kubernetes package manager for hassle free deployment and

rollback.

- End-to-end automation with git push to production deployment.

**Technology used:** Jenkins, Minio, Kubernetes, Redis, EFK, ELK, Docker registry, Kashti, Brigade, GCP, ExternDNS, Treafik, Helm3

### **Educational Profile:**

- BBA statistics (Data science) from Kurukshetra University with 60.6%.
- Higher Secondary certificate from Happy Child Sr. Sec. School.
- Senior Secondary certificate from Happy Child Sr. Sec. School.

### **Employment History:**

Company Name	Start From	End	Designation
Bharti Airtel (off roll)	Dec 2016	July 2018	Linux System Admin
ONjection Labs Private Limited	July 2018	Present	DevOps Engineer

### **Declaration:**

I declared that everything about me which I mentioned above in Resume is true and correct.

### **Personal Details:**

Name : Amit  
Father Name : Sh. Dharampal Singh  
Date of Birth : 22<sup>th</sup> Dec 1993

**Date:** .....

**(Amit)**