

Rinkesh Patel

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📁 <https://patelrinkesh24.github.io/portfolio/>

CAREER OBJECTIVE

Actively seeking an opportunity to implement and coordinate the migration of on-premises infrastructure to the cloud to manage and support cloud infrastructure for the company's growth.

WORK EXPERIENCE

Python Developer - Keryar, Anand, Gujarat, IN

May 2019 – Aug 2020

- Gathering and understanding client requirements.
- Writing and updating code as per requirements.
- Testing the application's functionalities prior to deployment.
- Using Agile methodology for continuously analyzing application performance.
- Documentation of application design, data flows, and functionalities.
- Coordinate with the team to effectively resolve the issues quickly.
- Presenting new ideas for system improvement and performance tuning.

TECHNICAL SKILLS

Cloud Technologies: Amazon Web Service (AWS), Microsoft Azure, Google Cloud Platform (GCP).

DevOps Tools: Docker, Kubernetes, Containers, Terraform, Ansible, Linux, Infrastructure.

Programming Language: C, C++, Java, Python, PHP, JavaScript.

Database: MySQL, Microsoft SQL Server.

Soft Skills: Teamwork, problem-solving, prioritizing tasks under strict deadlines.

EDUCATION

Cloud Architecture and Administration | Seneca College | Toronto

Jan 2022 - Aug 2022

Ongoing

Cloud Architecture, Cloud Integration, Data Storage and Management Strategies, Deployment Automation and Operational Security, Portable Technologies in Cloud, Project Management.

Big Data Solution Architecture | Conestoga College | Kitchener

May 2021 - Dec 2021

Achieved 3.4/4.0 GPA.

Relational Database implementation, Programming for Big Data, Data analysis mathematics, Algorithms and modelling, Software Quality, Data Integration and Storage, Web analytics and Business Intelligence Tools.

Bachelor's in Information Technology | Gujarat Technological University

Aug 2016 – Aug 2020

Achieved 8.7/10.0

C, C++, Java, Python, Artificial Intelligence, Internet of Things, Data Structure, Computer Networks, Web Technologies, Distributed DBMS, Data Mining and Business Intelligence.

PROJECTS

Deployment of a 3-tiered web application to managed k8s cluster on Amazon EKS. August 2022

Tech Stack: Kubernetes, Docker, EKS, ECR, IAM, GitHub Actions.

- Implemented containerized applications to address highly available and scalable applications.
- Enhanced flux application to add configurable background and secrets.
- Created Docker image build and publishing automation with GitHub Actions.
- Granted application access to an image stored in a private Amazon S3 bucket using IAM.
- Created and deployed application manifests using kubectl client.
- <https://github.com/patelrinkesh24/Deployment-of-3-tiered-web-application-to-managed-K8s-cluster-on-Amazon-EKS>.

Effective use of Terraform to deploy multi-environment infrastructure. August 2022

Tech stack: VPC, IGW, NAT GW, EC2, Bastion, Subnets, Security Groups, IaaS.

- Terraform code to deploy infrastructure that deploys 2 VPCs that simulate pre-production and production environments.
- Peering between two VPCs.
- EC2 instances deployed into respective VPCs with limited ingress, protocols, and ports.
- Modularized approach used for Terraform configuration.
- <https://github.com/patelrinkesh24/multi-environment-infrastructure-using-terraform>.

Deploy and publish the company's main application with a layer-4 load balancer. August 2022

Azure Services: VMs, VNets, VNet peering, regional and global LB, Private DNS.

- Deployment of two VNets in different locations with two data center VMs with installed IIS.
- Deployed two client VMs in different locations to test the architecture.
- Create layer-4 load balancer to redirect the client requests to VM in region closest in proximity.
- Created Private DNS to set up FQDN client can use to make a request.

CERTIFICATIONS

+ Microsoft Azure Fundamentals (AZ900)	Jul 2022
+ AWS Academy – Introduction to Cloud Semester 2	Jul 2022
+ AWS Academy – Introduction to Cloud Semester 1	Jun 2020
+ AWS Cloud Practitioner Essentials	May 2020
+ AWS Academy Cloud Foundation	Mar 2019