

Vipin Kumar Yadav

Portfolio: vipinyadav.in

Github: github.com/vipin0

Linkedin: linkedin.com/in/vipin6673

Email: vipin6673@gmail.com

Mobile: +91-9455544722

EDUCATION

- **Sri Eshwar College of Engineering (Anna University)**

Bachelor of Engineering - Computer Science; GPA: 8.85

August 2018 - June 2022

Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Networking, Databases

SKILLS

- **Languages** Python, Java, C/C++, JavaScript, SQL, Bash, Go
- **Frameworks** Django, Django-rest-framework, Flask, NodeJS
- **Tools** Kubernetes, Docker, GIT, PostgreSQL, Terraform, Cloudformation, Jenkins, Ansible, ELK Stack, CDK
- **Cloud** AWS, Azure
- **Servers** Nginx
- **Databases** PostgreSQL

EXPERIENCE

- **Presidio Cloud Solutions**

Chennai, India

Associate Cloud Engineer

July 2022 -

- Contributed to standard terraform modules with all the best practices for different Azure resources with the ability to configure it as per the requirements.
- Migrated AWS infrastructure from CDK v1 to CDK v2 using CDK/TypeScript code.
- Fixed security group rules of security groups and retention policies of AWS RDS Backups.
- Deployed ELK (Elasticsearch, Logstash, Kibana) stack in Kubernetes to get logs of all the containers in one place using Filebeat and Logstash.
- Deployed Enterprise Scale Azure Landing Zone using Terraform with multiple management groups and multiple subscriptions, following Microsoft Cloud Adoption Framework.
- Implemented multiple virtual networks using Azure vWan to have connectivity between all networks, and deployed Site-to-Site VPN tunnels to connect on-premise to Azure.

- **Presidio Cloud Solutions**

Remote

DevOps Intern

October 2021 - June 2022

- Developed a CLI application and slack bot using python to get the flight details between two airports.
- Developed Linux shell script which automates the process of installation and deployment of LAMP stack.
- Deployed AWS resources using Terraform and deployed two-tier applications with load balancers, EC2 and AWS RDS.
- Created and configured Jenkins pipeline to build the docker image, push to the repository and deploy on the EC2 machine.

PROJECTS

- **Storefront API (Web Development)** An E-commerce API which provides user management, adding and listing products, and other cart functionalities e.g. add to cart, place order etc. with required permissions. For example - Users must be logged in while placing the order, they only are able to see their order. Authentication is done based on JWT.
Tech: Python, Django, Django-rest-framework, PostgreSQL
- **Online Code Compiler (Web Development)** This is an online code compiler created using flask. Users can select any of the given languages, write the code, can give custom inputs. The system is designed to handle multiple requests simultaneously. The system is decoupled using redis and queuing systems. When the user submits the code, the code and the module executing the code are queued and return the id. The result is polled using the id, if it job is completed it returns the result otherwise returns the status.
Tech: Python, Docker, Redis, Flask, python-rq
- **Flight Tracker/Slack Bot** It is a command-line utility and slack bot developed in python. This uses OpenSky-network API to search and track the flight, it also shows the prices of the flights on any given day. This can be run as a command line application, if deployed and configured as a server it can be used as Slack Bot.
Tech: Flask, Slack-event-apis, Python
- **Movie database API (Web Development)** Movie Database API was created using Django and Django Rest Framework. The DataSet is the random data scrapped from IMDB which contains 2000 movies, 4 StreamingPlatform, 1000 Actors, 100 Users, and 1500 random reviews.
Tech: Python, Django, Django-rest-framework, PostgreSQL

CERTIFICATIONS

- Microsoft Azure Fundamentals
- Microsoft Azure Administrator Associate