Nikhil Majeti

Python Developer

CONTACT

Location:
Boston, MA

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EDUCATION

Masters in Computer Science
Rivier University
Bachelor of Computer Science
Vignan University

SKILLS

Methodologies:
SDLC, Agile, Waterfall
Programing Languages:
Python, SQL, Scala, Java, Unix, T-Sql
Frameworks/Libraries:
Django, Fastapi, Flask, Chalice, Pytest, Numpy, Pandas, Pyspark, Sqlalchemy, Confluent, Kafka
Azure Stack:
Azure Databricks, Blob storage, Azure functions, HDInsight, Event hubs, Logic apps, Virtual machines, Azure service bus
AWS Stack:
S3, Lambda, SNS, EC2, Sagemaker, Kinesis, RDS, EMR, IAM, Code pipeline, Route53, Quicksight, Cloudwatch, ECS, Step functions, Elastic search
Databases:
Sqlserver, Mysql, Postgresql, Mongodb, DB2, Oracle , Dynamodb, CosmosDB, MongoDB, MySQL**,** Azure sql, Cassandra, Azure data lake gen2.
CI-CD/Build Tools:
Docker, Azure Devops, Aws code pipeline, Azure Kubernetes, Jenkins, Terraform
Version Control Tools:
Git, GitHub, Jira, BitBucket
Operating Systems:
Windows, Linux

SUMMARY

- 4+ years of experience in developing **Web apps**, **Microservices**, **Front-End**, **Rest-Api's** and **spark** applications.
- Experience in designing and developing robust **Web** and **Big data** applications using **Python**, **Spark**, **Django**, **FastAPI**, **Flask**, **Chalice**, **JavaScript**, **AngularJS**, **ReactJS**, **HTML**, **Bootstrap**, **CSS**, and **AJAX**.
- Built and managed robust CI/CD pipelines using **Docker**, **Kubernetes**, **Terraform**, **AWS**, and **Azure** services, incorporating **Jenkins**, **Git**, and **Helm** for automation and orchestration.
- Implemented and maintained 5+ RDBMS databases using **MySQL, SQL Server, Postgresql**, and NOSQL like **MongoDB**, **Cassandra** resulting in a 99% Uptime and minimal Downtime.

EXPERIENCE

Assurant, US | Jan 2023 - Current |Python Developer

- Utilized **Agile** methodology in **Jira** for **sprint** planning, ensuring complete alignment with **sprint** deadlines for team of 4 individuals and collaborated with cross-functional teams.
- Experience in setting up **Elastic Load Balancers** (**ELBs**) and **Auto Scaling groups** on production **EC2** instances to build fault-tolerant and high-availability applications.
- Developed **REST APIs** in **Python** using **FastAPI**, integrated **Pydantic** models for data modeling, and **SQL Alchemy** as **ORM**. Ensured thorough API documentation by leveraging **FastAPI's** automatic **OpenAPI** documentation generation feature.
- Designed reusable **Angular 10** components for SPA development and implemented shared models to interact with RESTful APIs using **HTML**, **CSS**, and **JavaScript**.
- Deployed and maintained a **Kafka** cluster on **AWS EC2**, integrated with **FastAPI** microservices, leveraging AWS services like **CloudWatch**, **EBS**, and **Auto Scaling**.
- Successfully integrated **AWS EC2**, **Code Pipeline**, **GitHub**, and **Terraform** to establish a streamlined deployment pipeline for **FastAPI microservices** and **REST APIs**, resulting in a 30% improvement in the deployment process.
- Conducted functional validations using **Postman** for 50 APIs and automated test cases using **pytest** for each implementation, resulting in a 90% improvement in bug detection.

Stanvac Systems, India | Jan 2020 – Dec 2021 | AWS Python Developer

- Created complex **subqueries**, **stored procedures, triggers, cursors,** and **functions** on both **MySQL** and **PostgreSQL** databases improved 30% performance.
- Designed and deployed **Lambda APIs** using **Chalice**, seamlessly integrating them with **API Gateway** and **Route 53**, resulting in a significant 50% reduction in response time for **frontend** applications.
- Developed data transition programs from **DynamoDB** to **AWS Redshift** (**ETL** process) using **AWS Lambda**, creating **Python** functions for specific events based on use cases.
- Designed and maintained robust databases using **Python**, and developed high-performance, Python-based **RESTful API** web services with **Flask**, **SQLAlchemy**, and **PostgreSQL**.
- Experienced in designing and implementing various serverless, fully managed cloud services including **S3**, **Lambda**, **CloudWatch**, **API Gateway**, **SNS**, **SQS**, **Step Functions**, **Kinesis Firehose**, and **DynamoDB**.
- Implemented a **CI/CD** pipeline utilizing **Docker**, **Jenkins**, and **GitHub**. Virtualized servers using **Docker** for both development and test environments. Utilized **Gunicorn** server for hosting **Python** web applications within **Docker** containers.

Glinsoft Infotech, India | Jan 2019 – Dec 2019 | Associate Developer

- Implemented a Model-View-Template (**MVT**) architecture using **Django**, incorporating **Django Forms**, **templates**, and **Ninja templates**, alongside **HTML** and **CSS** for building web applications.
- Designed a comprehensive data model for the entire **backend** application, developed **Django models** and **serializers**, and established robust **data** relationships.
- Built **Spark** applications using **Pyspark** and **Spark-SQL** programming with 30% improvement in data extraction, and aggregation from multiple file formats(**JSON**, **Parquet**, **Avro**, **CSV**, **XML**).
- Designed the front-end applications, user interactive (UI) web pages using web technologies like **HTML5**,**CSS3**,**JavaScript**,**ReactJS**.
- Architected RESTful APIs with **Django** and Azure services (**Azure Functions**, **Azure DNS**, **Azure Storage**, **Azure Monitor**, **Azure Logic Apps**, **Azure Cosmos DB**) achieved a 20% less latency.
- Orchestrated a real-time streaming pipeline by integrating **Azure Data Factory** with **Event hubs** and **Databricks** for transformations and ingested data into **Azuresql, cosmosDB, ADLS**.