**Hrishab Mehta**

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*Passionate Software Engineer experienced in designs and deliver code modules, stable application systems, and software solutions which includes developing, configuring, or modifying complex integrated business enterprise application solutions within various computing environments.*

***Professional Summary*:**

* Professional with 6+ years of **Python** **Development** experience in developing web-based application using **MTV** architecture, software development and design using **Django** framework.
* Experience with Design, code, and debug operations, reporting, data analysis and web applications utilizing **Python**.
* Experience using Python libraries including **Pandas**, **NumPy** for data manipulation and scientific computing web application development.
* Performed **data** **analysis** and **data** **prediction** in Python using **Python scikit learn**.
* Having experience of conducting **linear** and **logistic regression** using Python **scikit**-**learn** and **matplotlib** libraries.
* Implemented **REST** architecture to build **API**s to interact between different systems in **JSON** format.
* Implemented and optimized **PySpark** jobs to enhance data processing efficiency and performance.
* Set up monitoring and logging using Stackdriver for **GCP** application performance.
* Proficient in writing unit tests, integration tests, and end-to-end tests using **Pytest**.
* Proficient in creating and managing infrastructure as code using **Terraform**.
* Skilled in crafting intricate **SQL** queries for table creation, updates, and joins, with a strong proficiency in conducting backend tests to ensure data integrity.
* Developed **RESTful APIs** using Python and popular frameworks like Flask or Django.
* Experienced in **Oracle** and **MySQL** relational databases, management of **SQL** and **NoSQL** databases like **MongoDB**, through **Python** based package installation and configuration.
* Familiarity with the front-end web designing technologies like **CSS, HTML** and **JavaScript.**
* Perform manual testing, Unit testing, system testing and **Integration Testing** using **Python Unittest, Pytest** on existing & new code. Write Automation test cases using **Python-Selenium**.
* Extensively followed development methodologies such as **Agile (SCRUM)**.
* Experienced in **Jira**, **Agile Methodologies, Scrum stories** and **sprints.**
* Basic knowledge about **Amazon Web Services (AWS)** technologies including **EC2, SNS, S3, RDS and ELB**.
* Used version control software like **Git**, **SVN** for tracking code developments.
* Experience on **DevOps** essential tools like **Docker, Kubernetes, Kafka and Jenkins**.
* Excellent Experience on Python IDE's such as **Jupyter Notebook, PyCharm, Eclipse, NetBeans.**

**Technical Skills**

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| **Programming Languages** | Python |
| **Framework** | Django, Flask |
| **Database Management System** | Oracle, MySQL, PostgreSQL, MongoDB |
| **Development/ Application Tool** | Jupyter Notebook, Visual Studio Code, Terraform, PyCharm, Netbeans |
| **Methodologies** | Agile, Waterfall |
| **Visualization Tools** | Tableau, Oracle BI Publisher Suite, Oracle Transactional Business Intelligence |
| **Version Control** | GIT, Github, SVN |
| **Other** | Data Cleaning, Designing/Modifying Data Warehouse, Data Analytics, Microsoft PowerPoint, Pyspark, Problem Solving, Communication Skills |

**Professional Summary:**

**Internet Brands, Remote, CA**

**Python Developer Nov 2022 – Present**

Internet Brands is a company based in Los Angeles, California, that specializes in online media, technology, and services. Currently I’m working on a project Medscape, a leading online medical platform providing healthcare professionals with up-to-date clinical information, educational resources, and news.

I'm responsible for developing and enhancing the Medscape’s web platform leveraging Django, integrating RESTful APIs, optimizing databases, and ensuring high-quality code through testing and collaboration.

**Responsibilities**:

* Collaborate with UI/UX designers to create a user-friendly and responsive interface for healthcare professionals.
* Enhancing Medscape’s web applications and dashboards using Python web framework **Django** implement templates and views and frontend technologies (**HTML, CSS, JavaScript**).
* Create and implement **REST APIs** to enable data exchange between Medscape platform with external data sources, medical databases, and research repositories.
* Use **NumPy** and **Pandas** to process and analyze medical data, research findings, and clinical studies to provide evidence-based information to users.
* Applied **PySpark** for machine learning tasks, implementing algorithms for predictive analytics.
* Interact with databases using Python libraries like **SQLAlchemy** to manage and retrieve data efficiently.
* Tested source code using python’s module **Pytest** to ensure the application is working as intended.
* Knowledgeable in writing **Terraform** modules for reusable and scalable infrastructure configurations.
* Leveraged **AWS** Glue Jobs to orchestrate and execute ETL processes on AWS cloud infrastructure.
* Experienced in designing and implementing data flow and ETL (Extract, Transform, Load) solutions using tools such as Apache Nifi, Apache Airflow, and Dagster.
* Used **Git** version control to keep track of changes in source code in order to easily manage and collaborate on the project.
* Developed **SQL** Queries, Stored Procedures, and Triggers Using Oracle.
* Using **DevOps** essential tools like **Docker** for development and testing the application**.**
* Using **Jenkins** to establish automated **CI/CD** pipelines, streamlining code integration, testing, and deployment processes, ensuring faster and more reliable software delivery.
* Using **Kafka** for real-time data streaming, enabling timely insights into critical medical data.
* Skilled in utilizing **FastAPI** for developing robust and high-performance APIs, ensuring seamless communication between different components of a software system.
* Leveraging **Kubernetes**, I streamline application deployment and ensured high availability through container orchestration.
* **AWS** services like **EC2, S3, VPC** empowered us to dynamically scale our infrastructure during a major medical conference, ensuring uninterrupted access to vital medical resources for healthcare professionals.
* Following **Agile** methodologies to foster iterative development, collaboration, and adaptive planning, resulting in efficient and responsive software delivery.

**EOG Resources Inc., Remote, TX**

**Python Developer Feb 2022 – Oct 2022**

EOG Resources, Inc. is an American energy company engaged in exploration, development, production and exploration of hydrocarbon, crude oil and natural gas. I worked on Streamlining the Supply Chain cycle by automating the process of ordering and tracking supplies needed for their drilling operations. They aim to integrate their internal systems with suppliers' systems to improve efficiency and reduce manual work.

My duties at EOG included web application development, data analysis and visualization and database management.

**Responsibilities**:

* Build web applications, dashboards, and internal tools using Python web framework **Django**
* Implemented token-based authentication and authorization mechanisms for secure **API** access.
* Create platforms for data visualization, progress tracking, and communication within the company.
* Interact with databases using Python and libraries like **SQLAlchemy** to manage and retrieve data efficiently.
* Analyze and visualize large datasets related to oil and gas exploration, production, and pricing.
* Applied cost optimization strategies, including resource scaling, for efficient **GCP** resource usage.
* Ability to automate and orchestrate deployment processes with **Terraform**.
* Troubleshooted and resolved performance issues in **PySpark** applications.
* Utilize Python libraries like **NumPy, Pandas** and **Matplotlib** for data analysis and visualization.
* Using libraries like **Pytest** and **Unittest** for testing the development.
* Using **SQL** to optimize data storage, retrieval, and organization for seamless data access.
* Leveraging **AWS** services like **EC2**, **RDS** for scalable and flexible project infrastructure.
* Using **Git**, to maintain version control and collaborate seamlessly with team members.
* I implemented **Kafka** to optimize data ingestion and real-time event streaming, enhancing our ability to make data-driven decisions.
* **Kubernetes** enabled effective scalability and control of infrastructure by ensuring application consistency and resource optimization.
* Configuring **Jenkins** for continuous integration and delivery, fostering a culture of automation and efficiency.
* Integrated AWS Glue with other AWS services such as S3, Redshift, and Athena for seamless data integration.
* Harnessed **Docker** to containerize applications, enhancing portability and ensuring consistent environments for streamlined development and deployment.
* Using **AGILE** methodology for managing the workflow.
* Bring innovative and cutting-edge solutions to enhance company operations.

**Emicon**

**Software Engineer Jun 2018 – Aug 2021**

Emicon Advisory Services is an IT consulting and Services company specializing in offering design focused, intelligent and user-friendly solutions. It has a diverse range of services that encompass Business and Technology Consulting, Custom Software Development, Business Process re-engineering and IT Infrastructure Services. My duties at Emicon included creating and supporting the dynamic web applications, forms and data driven dashboards/reports being used by the employees to submit, view and track the Procure-to-Pay cycle operations.

**Responsibilities:**

* Using **Django’s** forms and models to validate, create, retrieve, update, and delete data from users on the application.
* Developed entire backend modules using Python on Django Web Framework.
* Managed **Docker** orchestration and Docker containerization using **Kubernetes**.
* Tested source code using python’s module **unittest, Pytest** to ensure the application is working as intended.
* Worked with several python packages like **NumPy, Matplotlib, SciPy, PyQt, PyTables** to plot the graphs from data in the Graph generator.
* Developed complex **SQL** queries for testing the database functionality with the **PostgreSQL** database.
* Developed **SQL** Queries, Stored Procedures, and Triggers Using Oracle.
* Used **GIT** for version control for the applications.

**Digisoft Solutions**

**Associate Software Developer Nov 2017 – May 2018**

Digisoft Solution is a solution-oriented company which provides tailor-made software, web development and high-quality IT services to its customers. My part at digisoft included creating and supporting the dynamic web applications and forms.

**Responsibilities:**

* Used **Django’s** forms and models to validate, create, retrieve, update, and delete data from users on the application.
* Tested source code using python’s module **unittest, Pytest** to ensure the application is working as intended.
* Responsible for debugging and troubleshooting the web application.
* Developed complex **SQL** queries for testing the database functionality with the **PostgreSQL** database.
* Developed SQL Queries for performing various CRUD operations like create, update, read and delete, Stored Procedures, and Triggers Using Oracle.
* Used GIT for version control for the applications.
* Involved in Design, Development, Testing and Implementation of the application.

***Education:*** Masters of Science in Computer Science