+19409772486 |keerthi.yanala104@gmail.com | Top of Form

www.linkedin.com/in/keerthi-yanala-166

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**Professional Summary:**

* As a Python Developer with a strong background in data engineering, I focus on building and maintaining software that supports data models, warehouses, and advanced analytics.
* My Python skills help me excel in fast-paced environments, where I quickly adapt to new technologies and processes.
* I'm committed to writing clean, efficient code and improving performance to meet project goals. I work well in teams, bringing a strategic and analytical mindset that consistently leads to successful outcomes
* Experience in developing machine learning models like Classification, Regression, Clustering, and Decision Tree also Sound knowledge in Data Quality & Data Governance practices & processes.
* Experience with Design, code, debug operations, reporting, data analysis, and Web Applications utilizing Python.
* Develop Python scripts to interact with Oracle databases, performing CRUD (Create, Read, Update, Delete) operations efficiently.
* Experience in Cloud (Azure, AWS, GCP), DevOps, Configuration management, Infrastructure automation, Continuous Integration & Continuous Delivery (CI/CD).
* Experience in installing, configuring, modifying, and testing applications with AWS (Amazon Web Services).
* Experience in Python development, design, methodologies, tools, and processes.

**EXPERIENCE:**

**USAA, San Antonio April 2022 to Till Date**

**Sr. Python Developer**

**Responsibility:**

* Lead the development of complex **Python** applications, ensuring alignment with business goals and technical requirements.
* Implemented and managed **CI/CD pipelines** to streamline the deployment process and enhance the efficiency of software delivery.
* Handled data migration and integration projects, ensuring data integrity and smooth transitions between systems and platforms.
* Developed responsive web product features using **React JS**, **SAS**, on **Golang** with **REST**. Utilize ActionScript 3.0 to develop and maintain the Flash and live-streaming components of the company’s websites.
* Designed and developed Cloud Service projects and deployed to **Web Apps, PaaS**, and **IaaS** and configured **SQL Server** Master Data Services (**MDS**) in Windows **Azure IaaS**.
* Engaged with customers and end-users to gather feedback and ensure that Python applications meet their needs and provide a positive user experience.
* Managed project timelines and deliverables, ensuring that development milestones are met and projects are delivered on schedule.
* Developed and maintained comprehensive documentation for systems, **API**s, and codebases, ensuring clarity and ease of understanding for current and future team members.

* Provided solutions for **real-time** data processing and analytics, leveraging Python to handle and analyze data streams effectively.
* Developed tools to automate some base tasks using Python, **Shell scripting**, and **XML**. Used **PyQT** to implement **GUI** for the user to create, modify, and view reports based on client data.
* Experience in developing machine learning models like Classification, Regression, Clustering, and Decision Tree also Sound knowledge in Data Quality & Data Governance practices & processes.
* Worked on server-side applications with Django using Python programming and used Python libraries like **Beautiful Soup**, **Matplotlib**, **SciPy**, and **NumPy** and built efficient **Node.js** backend for client web applications.
* Developed Python-based data pipelines to extract, transform, and load (**ETL**) data from Oracle databases. Configured and used **AWS** lambdas for **ETL** and data movement.
* Deployed and tested different modules in Docker containers and GIT. Implemented programming automation using Jenkins and Ansible on **Unix/Linux** (Ubuntu) based OS over cloud like **Docker**.
* Good involvement with creating web applications and actualizing Model View Control (**MVC**) design utilizing worker-side applications like **Django** and **Flask**.
* Introduced new features and solved existing bugs by developing code for a cloud-based integration platform **(iPaaS)** and Migrating customer data from legacy **iPaaS** to **AWS**.
* Constructed powerful and modern frontend architecture, involving **React**, **Redux**, and **ES6**.Provided resources to support automation through Jenkins.

**Environment:** Azure, AWS, Linux, MySQL, Python, NumPy, Pandas, Seaborn, Matplotlib, CI/CD pipelines with tools like Jenkins, Ansible, Beautiful soup, SciPy, Tableau, Power BI, TensorFlow, JavaScript, React, Redux, Docker, pyQT, Kafka /storm pipelines.

**Lowe’s, Mooresville, NC Apr 2020 to Mar 2022 Python Developer**

**Responsibility:**

* Developed robust Python applications based on user needs and project objectives. This includes writing and updating code to ensure functionality and performance.
* Used **Pandas**, **OpenCV, NumPy**, **Seaborn**, **TensorFlow**, **Kera’s**, Matplotlib, **Sci-kit-learn**, and **NLTK** in Python for developing data pipelines and various machine learning algorithms.
* Design and build APIs that enable different systems and services to communicate effectively, ensuring

seamless integration with front-end interfaces and external services.

* Collected data needs and requirements by Interacting with the other departments. Worked on different

data formats such as **JSON, XML**.

* Focused on creating code that is well-organized, easy to read, and maintainable. This involves following best practices and coding standards to enhance quality.
* Implemented and managed data processing workflows and **ETL** (Extract, Transform, Load) processes to handle and transform large datasets effectively.
* Designed and managed database schemas, wrote complex **SQL queries**, and ensured efficient data storage and retrieval from relational databases.
* Used cloud platforms like **AWS, Azure, or Google Cloud** to deploy applications, ensuring they are accessible, scalable, and reliable.
* Maintained clear documentation for code**, APIs**, and system configurations to assist in understanding and managing the application.
* Engaged in **Agile** development practices, including **sprint** planning, daily stand-ups, and retrospectives, to contribute to iterative and collaborative project management.
* Created visualizations and dashboards using tools like **Power BI** to present data insights clearly and effectively.
* Continuously learned about new developments in **Python** and related technologies. Attended conferences, read industry publications, and experimented with new tools and techniques.
* Implemented web applications in **Flask** and **Spring frameworks** following **MVC** architecture. Updated and manipulated content and files by using Python scripts.
* Developed solutions for processing real-time data streams, such as from **IoT devices** or live user interactions, using **Python** and appropriate frameworks.
* Developed and deployed machine learning models using Python libraries like **Scikit-Learn** and **TensorFlow**, applying them to real-world problems.
* Utilized Python libraries such as **Pandas** and **NumPy** to analyse and interpret complex data sets, providing actionable insights and recommendations.

**Environment:** Python,SQL, Shell scripting, JavaScript, AWS, Azure, SQL Server, MySQL, Tableau, Power BI, QlikView ER studio, Linux, Agile, Scrum, Scikit-Learn, Flask and spring frameworks, JSON, ETL process.

**Master Card, ST. Louis, MO Dec 2017 to Mar 2020 Python Developer**

**Responsibility:**

* Developed Python application for Google Analytics aggregation and reporting and used **Django**

configuration to manage **URLs** and application parameters.

* Developed and presented analytical insights on medical data and image data.
* Configured **EC2** instances and configured **IAM** users and roles and created an **S3** data pipe using **Boto**

API to load data from internal data sources.

* Developed various graph methods to visualize and understand the data like **Scatter plots**, **Pi-plot**, **bar charts, box-plot**, and histograms Also Involved in the development of Web Services using **REST API** for sending and getting data from the external interface in the **JSON** format.
* Created several types of data visualizations using **Python** and **Tableau**.
* Performed troubleshooting, fixed, and deployed many Python **bug fixes** of the two main applications that were a main source of data for both customers and the internal customer service team.
* Built a Command line tool to interact with **RESTful API** using **Golang**. Updated and manipulated content and files by using **Python scripts**.
* Developed Python application for Google Analytics aggregation and reporting and used **Django**

configuration to manage **URLs** and application parameters. Updated and manipulated content and files by using Python scripts.

* Performed efficient delivery of code based on principles of **Test-Driven Development** (TDD) and continuous integration to keep in line with **Agile** Software Methodology principles.

**Environment:** Python, Golang, JavaScript, SQL, Shell scripting, Django, Flask, Node.js, RESTful APIs, AWS (EC2, S3, IAM, Lambda), Azure, Google Cloud Platform, Pandas, NumPy, SciPy, Sci-kit Learn, TensorFlow, MySQL, PostgreSQL, Oracle, Snowflake, Amazon Redshift, Jenkins, Docker, Git, Ansible, Azure DevOps, Mocha, Jest, Unit Testing, TDD.

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**EPAM Hyderabad India June 2014 to July 2017**

**Software Developer**

**Responsibility:**

* Developed **RESTful** APIs for mobile and web applications, ensuring secure and efficient data exchange between the client and server.
* Designed and developed software applications based on user requirements. Wrote clean, efficient, and maintainable code to ensure high performance.
* Developed and maintained technical documentation, ensuring clear and accessible information for future development.
* Design and implement **ETL** (Extract, Transform, Load) processes using **SQL** to move and transform data between systems, ensuring accurate and up-to-date information.
* Provided technical support during software deployment, ensuring smooth transitions to production environments.
* Conducted thorough testing and debugging to identify and resolve issues.
* Implemented **data quality** checks and monitoring systems to ensure the accuracy and integrity of data across all **pipelines.**
* Organized and led weekly **code review** sessions, improving code quality and team collaboration.
* Ensure data security by implementing access controls, roles, and permissions within **SQL** databases, protecting sensitive information from unauthorized access.

**Environment:** Microsoft SQL Server, **Microsoft SQL Server Integration Services (SSIS)** , **Python**(using **SQL Alchemy**, **Pandas**), Data security Implementation, Data Quality Assurance, Testing and Debugging, ETL process Management.

**TECHNICAL SKILLS:**

**Programming languages:** Python (Pandas, NumPy, SciPy, sci-kit-Learn, TensorFlow), SQL, JavaScript, Shell scripting.

**Cloud Technologies:** AWS, Azure SQL Database, Azure Data factory, Google Cloud platform.

**Data Visualization:** Tableau, Power BI, Qlik View, Matplotlib, Seaborn.

**Development Tools:** Visual Studio code, PyCharm, Jupyter Notebook, GitHub.

**Methodologies:** Agile, Scrum, Waterfall, UML, DevOps.

**ETL Tools:** Apache Airflow, Informatica PowerCenter.

**Servers:** Apache Tomcat, Nginx, WebLogic, JBoss

**Familiar:** with Microsoft Office, and GitHub.

**Automation Tools:** Jenkins, Azure DevOps, Apache Airflow

**Data Modelling Tools:** Erwin Data Modeler, ER Studio v17, Physical, and Logical Data Modeling.

**Data warehouse Tools:** Snowflake, Amazon Redshift.

**EDUCATION:**

**Masters** from University of North Texas **Denton, TX**