

**alekhyamurukutla00@gmail.com** **(+1)512-593-8604**

**Alekhya Python Developer**

**SUMMARY:**

Python Developer with 6+ years of experience designing scalable backend systems, automating ETL workflows, and building RESTful APIs using Flask, Django, and AWS. Improved data processing speed by 60% using Pandas and SciPy, and reduced infrastructure costs by 30% with serverless AWS architecture. Delivered 99.9% code coverage using unittest2 and mock, and accelerated deployments with CI/CD pipelines in Jenkins. Migrated SQL Server cold data to Azure, improving query speed by 10% and freeing 200+ GB. Proficient in PostgreSQL, MySQL, and Tableau, with expertise in MVC architecture and service integrations.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Languages** | Python, Java, Golang, Shell Script, PHP, Perl |
| **Framework/Tools** | Django, Flask, PyUnit, PyQuery, AngularJS, ReactJS, Apache Spark, Kafka |
| **Databases** | PostgreSQL, MySQL, MS SQL Server, MongoDB, Oracle, NoSQL |
| **Web Technologies** | HTML5, CSS3, JavaScript, Bootstrap, jQuery, XML, AJAX, RESTful APIs, Node.js |
| **Cloud Technologies** | AWS (EC2, VPC, S3, IAM, Lambda, Elastic Beanstalk), Azure (Azure Functions, Azure AD) |
| **Web Services** | REST, SOAP |
| **Tools & IDE** | PyCharm, Visual Studio Code, Eclipse, Jenkins, Spyder |
| **Methodologies**: | Agile, Scrum, Microservices Architecture |
| **Operating Systems** | Linux, UNIX, Windows |

**Certifications:**

* **IBM Data Science Professional Certificate – Python, SQL, and Machine Learning (IBM Skills Network, 2020)**
* **Statistics with Python – Data Visualization and Inferential Statistics (University of Michigan, 2020)**
* **Ethics in the Age of AI – Privacy and Security in AI Systems (LearnQuest, 2021)**
* **Self-Driving Cars – Object Detection and Autonomous Control (University of Toronto, 2022) EXPERIENCE:**

**Responsibilities:**

**Client: Ingram Micro, Fort Worth, Texas Role: Python Developer**

**Jun 2023 – Till Date**

* Developed and tested RESTful APIs using Flask and Golang to integrate with Cassandra, improving response time by 15%.
* Streamlined critical workflows using Python and shell scripting, cutting manual effort by 40% and eliminating recurring errors.
* Executed end-to-end database migration from SQLite to PostgreSQL across 10M+ records, boosting query speed by 60% and maintaining complete data integrity.

**Client: T-Mobile, Frisco, Texas. Role: Python Developer**

**August 2022 – May 2023**

**Responsibilities:**

* Reengineered backend architecture with Python and Django, enhancing performance by 40% and supporting over 10,000 concurrent users.
* Orchestrated task queues using Celery and RabbitMQ to triple throughput and stabilize high-load operations.
* Implemented asynchronous AMQP-based data pipelines, reducing call center delays by 35% and manual processing by 60%.

**Client: Prodigal Technologies, Hyderabad, India Role: Python Developer**

**July 2021 – August 2022**

**Responsibilities:**

* Built and deployed Python-based infrastructure on AWS (EC2, S3, Elastic Beanstalk), improving cloud deployment speed by **50%**.
* Configured Jenkins-Docker pipelines for CI/CD, increasing deployment frequency by **5x** and cutting downtime by **40%**.
* Processed insurance datasets with Pandas/NumPy, reducing data modelling time from hours to **under 10 minutes**.

**September 2018 – June 2020**

**Client: GBS Solutions, Hyderabad, India Role: Software Developer**

* Created Elasticsearch → Kibana dashboards, resolving **3 major data lags** and improving client reporting satisfaction by **30%**.
* Built Django-based web apps and Python APIs, improving module reusability and achieving **99% unit test coverage**.
* Containerized Python apps with Docker and automated Jenkins pipelines, speeding releases by **45%**. **Education Details:**
* Bachelor's degree in computer science, SRM University, Chennai, India
* Master’s in computer science, Rivier University, NH, USA