aws ✓ **CERTIFIED**
Developer - Associate

Jay Sheth

M: +1 (551)689-7667 | Email: jmksheth@gmail.com   www.jaysheth.us   LinkedIn: www.linkedin.com/in/jay-m-sheth

Summary

Sr. Software Engineer with 8+ years of experience in back-end development, data engineering, and DevOps. Skilled in Python, AWS, databases, ETL, and container orchestration. Proven track record of delivering robust, scalable solutions across multiple industries.

Technical Skills

Programming Language:	Python, Shell scripting
Automation & Build:	Jenkins, Docker, Kubernetes, Terraform, Gitlab CI/CD
Database & Tools:	PostgreSQL, IBM DB2, DynamoDB, Oracle, MySQL, Aurora DB, Snowflake
Web Development:	HTML5/CSS3, JavaScript, Django, RESTful API
Cloud Technology:	Amazon Web Services (AWS)

Work Experience

T. Rowe Price - Sr. Software Engineer   *Owings Mills, Maryland*   *Jan 2021- Present*

- Leading Data Modernization project to migrate on-premises applications to AWS.
- Successfully led and migrated a single-region PostgreSQL database to **AWS Aurora Global database**.
- Designed and developed **PySpark** jobs for **ETL** operations, improving batch and Realtime data processing efficiency.
- Deployed and utilized Apache **Airflow** using **Helm** for orchestration of complex data workflows, enhancing task automation and scheduling.
- Led migration of PySpark jobs from vanilla **Kubernetes** to **AWS Managed EKS**, reducing infrastructure rehydration effort by 90%.
- Streamlined cloud infrastructure, services, and monitoring through automation using **Terraform** and **CloudFormation,** reducing operational overhead and enhancing scalability.
- Utilized **Docker**, **EC2 Container Service**, **Kubernetes**, and **GitLab CI/CD** for container orchestration and deployment.
- Created monitoring and alerting dashboards using **Prometheus**, **Grafana**, and **Splunk**.
- Implemented unit tests with **Pytest** and integration tests using **BDD**, improving code quality and reliability.

Technologies: Python, PySpark, Airflow, Helm, AWS, Docker, Kubernetes, Terraform, RDS, Snowflake, GitLab CI/CD, Prometheus, Grafana, Splunk, Rally, Confluence

Capital One - Software Developer   *McLean, Virginia*   *FEB 2020 – Dec 2020*

- Developed Vulnnext application for real-time vulnerability information, enhancing security monitoring.
- Utilized various AWS services: **AWS lambda**, **API Gateway, SQS, SNS, CloudWatch, IAM roles** and **policies**, **S3**, **Route 53**, **DynamoDB**.
- Extensive use of **Python** with **built-in** and **external libraries** to implement serverless architecture on AWS.
- Managed databases: **DynamoDB**, **Snowflake**, ensuring data integrity and performance.
- Performed unit testing with **Pytest** and **BDD/integration** testing with **Behave**, improving code quality.
- Developed dashboard monitoring and alerting system using **Datadog**, increasing system reliability.
- Used Jenkins to deploy application code in different environment using **CI/CD** pipelines.

Technologies: Python, AWS, boto3, Datadog, Shell script, Jenkins, PyCharm, Jira and Git

Verizon – Software Developer   *Tampa, Florida*   *Feb 2018 – Feb 2020*

- Developed and **automated Python scripts** for Verizon FIMS, focusing on geographical design validation and data ETL processes and Improved data validation performance by 80%.
- Utilized **Oracle SQL developer** for database management.
- Used **ArcPy** for geographical operations and published scripts as **Geo Processing services** (GP Services).

Technologies: Python, Oracle, ArcPy, ArcMap, ArcCatalog, Jira, Git

Education & Certifications

Master of Science in Computer Science – University of Bridgeport,	Connecticut, USA	**December 2017**
Bachelor of Engineering in Computer Science & Engineering – GTU	India	**July 2015**
AWS Certified Developer – Associate		**December 2021**