

SAIVARMA EDLA

Data Engineer

Email: saivarma5edla@gmail.com [LinkedIn](#): LinkedIn/In/Sai Varma Mobile: +1 (816)-643-7345 Place: United States

SUMMARY

Experienced Data Engineer with 4+ years in designing and optimizing data pipelines and cloud-based solutions. Proven ability to enhance data processing efficiency and reduce costs using AWS, Azure, and GCP. Capable in developing scalable web applications with Django and Flask, boosting user engagement by 25%. Proficient in Apache Spark, Kafka, and Hadoop for large-scale data processing and real-time analytics.

TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, SQL, Java, TypeScript
- **Web Technologies:** HTML, CSS, Tailwind CSS, LESS, Bootstrap, Sass, JavaScript, ECMAScript 6, jQuery, AJAX, JSON
- **Front-End Frameworks:** React JS, Angular JS, Next JS
- **Back-End Frameworks:** Django, Flask, FastAPI, Node.js, Express.js
- **Databases:** MySQL, PostgreSQL, SQL Server, MongoDB
- **Development Methodologies:** Agile, SCRUM, Waterfall
- **Cloud Platforms & Services:** AWS, EC2, S3, Lambda, ECS, ECR, CloudFront, CloudWatch, CloudFormation, Azure, GCP
- **Version Control:** Git, GitHub
- **CI/CD & Containerization:** Jenkins, Docker, Kubernetes, CircleCI
- **Testing:** Jest
- **Caching:** Redis
- **Data Visualization & BI Tools:** Tableau, Power BI
- **Data Science & Machine Learning:** Pandas, NumPy, Matplotlib, Scikit-learn, SciPy, Plotly, Seaborn, Machine Learning, Deep Learning, Natural Language Processing, Data Analytics
- **Big Data Technologies:** Apache Spark, Hadoop, Kafka
- SDLC

PROFESSIONAL EXPERIENCE

Molina Healthcare

USA

Data Engineer

February 2024 – Present

Technologies: Python, SQL, Java, Django, Flask, HTML/HTML5, CSS3/CSS, JavaScript, TypeScript, Git, Apache Spark, AWS (EC2, S3, Lambda, ECS, EMR), Azure, Google Cloud Platform (GCP), AWS Redshift

- Engineered scalable data pipelines with Python, SQL, Java, and Apache Spark, increasing processing efficiency for population health management.
- Architected cloud-based solutions using AWS like EC2, S3, Lambda, ECS, EMR, Azure, and GCP, optimizing infrastructure and reducing costs by 20%.
- Advanced web applications with Django and Flask, improving user engagement and streamlining data processes.
- Realized Git for version control, cutting development cycles by 15% and improving team collaboration.
- Constructed SQL-based data infrastructure for warehousing, generating actionable insights that increased operational efficiency.
- Initiated data quality improvements through validation and cleansing, ensuring 20% accuracy and data integrity for healthcare analytics.

Tata Consultancy Service

July 2021 – October 2022

Data Engineer

Technologies: Apache Kafka, Java, Scala, Apache Spark, Jenkins, Docker, Kubernetes, Redis, AWS Glue, Amazon Athena, AWS (Lambda, CloudFront, CloudWatch), PostgreSQL, SQL Server, RDS, MongoDB, Azure Synapse, Apache Airflow, Splunk

- Developed data pipelines with Apache Kafka, Java, Scala, and Apache Spark, enhancing real-time data ingestion efficiency.
- Deployed containerized applications using Jenkins, Docker, and Kubernetes, achieving 30% uptime and improved system performance.

- Optimized ETL processes with AWS Glue and Amazon Athena, reducing data querying time and integration delays.
- Administered relational and NoSQL databases (PostgreSQL, SQL Server, RDS, MongoDB), boosting query performance by 10% and maintaining data integrity.
- Leveraged Azure Synapse for advanced analytics, delivering actionable insights that improved business intelligence and decision-making.
- Exploited Apache Airflow for workflow orchestration, streamlining operations and enhancing efficiency by 25%.

I-SPARROW

Data Engineer

India

February 2019 – June 2021

Technologies: REST, SOAP, JSON, API, Hadoop, Hive, PL/SQL, Snowflake, Jenkins, GitHub Actions, Tableau, Power BI, Agile (SCRUM)

- Designed and implemented REST and SOAP web services, improving data integration efficiency between systems.
- Constructed data models in collaboration with stakeholders, optimizing reporting and reducing data retrieval time by 25%.
- Employed Hadoop, Hive, and PL/SQL for processing large datasets, managing Snowflake Enterprise Data Lake and enhancing data processing speed.
- Automated build, test, and deployment processes with Jenkins and GitHub Actions, reducing deployment time.
- Implemented Agile (SCRUM) methodologies, increasing project execution efficiency and team productivity.
- Developed interactive dashboards with Tableau and Power BI, facilitating data-driven decisions and improving KPI visualization accuracy by 20%.

EDUCATION

Master of Science in Computer Science
University of Missouri Kansas City, USA

January 2023 – May 2024

Bachelor of Technology in Electronics and Computer Engineering
Sreenidhi Institute of Science and Technology, India

June 2017 – June 2021

CERTIFICATIONS

- Achieved AWS Certified Developer - Associate certification from AWS.
- Completed Associate Hands-On Essentials in Data Warehouse, issued by Snowflake.