

LOHITHA NIMMA

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PROFESSIONAL SUMMARY

Ardent Software Engineer with 2.5+ years of expertise in designing and implementing ETL data pipelines, cloud-based web applications, and data migration projects. Proficient in a diverse technology stack, including Python, JavaScript, Spark, React.js, Node.js, AWS, Snowflake, Databricks and PowerBI.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript, HTML/CSS, SQL, NoSQL

Frameworks: React Js, Node Js, Flask, Spark

Databases: MySQL, MS SQL Server, Postgres, MongoDB

Developer Tools: AWS, Azure, Snowflake, Databricks, MuleSoft, PowerBI, Git, Docker, VS Code, LaTeX

EXPERIENCE

Software Engineer II

Jul. 2021 – Dec. 2022

Invesco Ltd. - Global Performance Measurement and Risk team

- Designed and executed Spark ETL pipeline for seamless data ingestion using AWS S3, tailored transformation using PySpark Lambda functions, and efficient MS SQL Server storage. Utilized Power BI for visually compelling data visualizations and analytical reports, enabling comprehensive daily report analysis.
- Successfully led the migration of on-premises .NET desktop application built on MS SQL Server to cloud-based web application, employing React.js and Flask on AWS EKS. Implemented Snowflake for data warehousing, optimizing scalability and performance in the cloud environment.
- Utilized Apache Airflow with Amazon MWAA expertise to proficiently schedule and manage processes, showcasing adept skills in orchestrating workflow automation.
- Diligently monitored daily report generation jobs, implementing regular enhancements in Python to ensure seamless transformation of data files in alignment with business requirements.
- Proficiently oversaw the daily execution of vital business operations using Autosys, ensuring the seamless functioning of critical job processes.
- Conducted numerous interviews to strategically expand the team by recruiting valuable resources.
- Proficient in Agile Scrum methodologies with expertise in utilizing Jira and Kanban boards for streamlined project management.

Technology Associate

Jul. 2020 – Jun. 2021

Invesco Ltd. - Tech Strategy

- Steered a successful project for data migration from Oracle database to Snowflake, leveraging AWS services such as S3, Lambda, and API Gateway for a seamless and secure transition.
- Automated report generation processes using Python, streamlining operations and enhancing efficiency, saving human business hours.
- Designed and developed APIs using MuleSoft, demonstrating proficiency in creating robust and scalable interfaces
- Spearheaded Dynamic Client Registration, seamlessly integrating Microsoft Azure Active Directory with MuleSoft.

- Engineered a custom Mule connector for efficient reception of AWS SQS messages from diverse locations, showcasing adaptability and innovation.
- Orchestrated end-to-end recruitment of new college graduates, overseeing a comprehensive process that included the successful execution of a 24-hour hackathon.

EDUCATION

Rowan University, New Jersey

Master of Science in Computer Science

May 2024

GPA: 3.9/4.0

Jawaharlal Nehru Technological University, Hyderabad

Bachelor of Technology in Computer Science and Engineering

Sep. 2020

GPA: 8.18/10.0

ACADEMIC PROJECTS

Portfolio | *React, VS Code*

Jun. 2024

- * Designed and developed a personal portfolio as a web application using React, JavaScript, HTML and CSS
- * Created a modern and responsive user interface for the website, ensuring compatibility across various devices and screen sizes.

MedTrust | *MERN stack, VS Code*

Nov. 2023

- * Developed an e-pharmacy web application, MedTrust, using MERN stack.
- * Utilized HTML, CSS, JavaScript, React JS, Node JS, Express JS and MongoDB, integrating various components for robust performance.
- * Live Site: <https://medtrust.netlify.app/>

Major Incident Predictor(MIP) | *Python, Machine Learning, Jupyter Notebook*

Aug. 2020

- * Implemented MIP, a Machine Learning project within ServiceNow, employing diverse algorithms (Logistic Regression, SVM, Decision Tree, XGBoost) to forecast the impact of change requests on major incidents.
- * Achieved efficiency gains by detecting 15% of major incidents, saving 1715 business hours, supported by insightful visualizations using Matplotlib.

Quilter | *Python, Deep Learning, Jupyter Notebook*

Jun. 2019

- * Developed Quilter, a Deep Learning project focused on classifying Quora questions as sincere or insincere.
- * Engineered advanced Deep Learning and Natural Language Processing algorithms, including Recurrent Neural Networks (RNN) and Long Short-Term Memory (LSTM).

CERTIFICATIONS

- AWS Certified Data Engineer - Associate (Validation Number - 3dd459b8858c48e6906f44b1d54913dc)
- AWS Certified Cloud Practitioner (Validation Number - 5911f80224be48e49d081a77243c12d8)
- Microsoft Certified: Azure Data Scientist Associate (Certification Number - 5404A3-527BB2)
- Microsoft Certified: Azure AI Fundamentals (Certification Number - 5QE12D-7F82B5)

LEADERSHIP AND ACTIVITIES

Women In Technology

Aug. 2022 – Dec. 2022

Led a key pillar of Women In Technology (WIT) at Invesco, a strategic initiative supporting the professional development of women employees of Invesco.

Toastmasters

Aug. 2021 – Dec. 2022

Served as the Vice President of the Invesco India Toastmasters Club, contributing to the club's success in fostering effective communication and leadership skills.