

B Jamin Enock

Data Engineer

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SUMMARY

Data Engineer with hands-on experience in Python, SQL, Spark, AWS, and Palantir Foundry. Skilled in building scalable ETL and ELT pipelines using services such as S3, Glue, and Redshift, and experienced in executing large-scale migration projects from AWS to Palantir Foundry. Strong background in data pipelining, workflow automation, and developing dashboards for business teams. Strengths include algorithms, performance optimization, and a practical understanding of machine learning.

TECHNICAL SKILLS

Programming Languages: Python, SQL, C++

Data Engineering: Spark, PySpark, Pipeling, ELT, ELT, Data Intergation, Migration, API Integration, AI Integration, Workflow automation

Cloud/Data Platforms: AWS, Palantir Foundry

Machine Learning: Pandas, NumPy, Scikit-learn, Tensorflow, Keras

EXPERIENCE

• Tata Consultancy Services (TCS)

Data Engineer

Bengaluru ,India

April 2025 – Present

- **ETL/ELT Development in AWS:** Built and maintained ETL/ELT pipelines using PySpark and SQL in AWS Glue, working with large Life & Health reinsurance datasets. Leveraged S3 as the Data Lake and Redshift for warehousing.
- **Migration to Palantir Foundry:** Working on a major migration project moving reinsurance workloads from AWS to Palantir Foundry. Implemented data connections, API integrations, and dataset onboarding workflows.
- **Workflow Automation:** Developed automated data pipelines and scheduled workflows in Foundry to streamline processing and reduce manual interventions.
- **Data Lineage & Governance:** Established lineage tracking, schema mapping, and documentation for key datasets to support compliance and cross-team visibility.
- **Optimized Data Processing:** Improved PySpark jobs using efficient join strategies, filter pruning and partitioning for faster and cleaner data processing.
- **Multi-Format Data Handling:** Ingested and processed data from CSV, JSON, JSON Stats and APIs, integrating datasets from S3 and external sources into unified pipelines.
- **Analytics & Dashboards:** Prepared analytics-ready datasets and dashboards in Foundry to support reporting and insights for business teams.

PROJECTS

- **Image Matting (Dec 2023):** Developed an Image Matting model inspired by Apple's "Lift a Subject" feature. Implemented a U-Net based architecture for foreground extraction using image segmentation techniques, covering preprocessing, mask generation, and subject isolation with TensorFlow and OpenCV.

Tech Stack: TensorFlow, Keras, OpenCV, NumPy, Scikit-learn, Python, Matplotlib, Jupyter, GIMP.

- **Auto Code – NLP Code Prediction (Oct 2023):** Developed an NLP-based code generation system capable of generating Python code from text prompts. Built a bidirectional language model trained on Python code to predict relevant code snippets and support automated code completion.

Tech Stack: TensorFlow, Keras, NumPy, Scikit-learn, Pandas, Python, Jupyter.

EDUCATION

• Reva University

B.Tech in Computer Science and Engineering (Specialization: AI/ML)

Bengaluru, India

2020 – 2024

CERTIFICATIONS

- **PySpark End-to-End Developer Course (Spark with Python):** Udemy
- **IBM Data Science Professional Certificate:** IBM
- **TensorFlow: Advanced Techniques:** DeepLearning.AI
- **Machine Learning Specialization:** Stanford University