

VISWANATH NAGARAJAN

Data Platform Engineer | San Antonio, TX • vishwa.n0998@gmail.com [LinkedIn](#) • [GitHub](#)

SUMMARY

Data Platform Engineer specializing in **cloud-native financial systems** and **AI-augmented engineering**. Architected agentic frameworks using **CrewAI/Strands SDK** to reduce engineering cycles from weeks to hours. Currently scaling AWS payment platforms and researching **Blockchain integration** for immutable, decentralized data protocols.

CORE SKILLS

- **Platforms:** AWS (Lambda, Step Functions, S3, DynamoDB, Glue, Redshift), Snowflake, Spark, Airflow.
- **Programming:** Python, SQL, PySpark, Bash, Java.
- **AI & Automation:** Multi-agent systems, CrewAI, Strands SDK, Amazon Q, Copilot, Windsurf.
- **DevOps & Reliability:** CI/CD, Terraform, CloudFormation, Docker, AWS Lake Formation/CloudWatch, Data Quality/Monitoring.

EXPERIENCE

Southwest Business Corporation (SWBC) | *Data Platform Engineer* | Apr 2024 – Present

- **AI Orchestration:** Architected an agentic AI framework using **CrewAI and Strands SDK**, utilizing multi-agent orchestration to autonomously convert legacy code, reducing onboarding time by **95%**.
- **Cloud Payments:** Owned payment data platforms processing **5M+ records** within 15-minute AWS Lambda windows; utilized **Step Functions** for stateful, exactly-once transaction processing.
- **Leadership:** Selected by executive leadership to prototype AI-driven internal platforms; served as primary technical POC to unblock delivery risks for senior engineering teams.

JerseySTEM | *Data Engineer* | Jul 2023 – Mar 2024

- **Performance:** Refactored ETL pipelines using **AWS Glue and Spark**, improving performance by **30%**.
- **Observability:** Built automated data quality monitoring with Lambda & CloudWatch to ensure reliability.

Xforia Solutions Inc. | *Software/Data Engineer* | Jan 2023 – Jun 2023

- **Database:** Optimized 3TB+ MongoDB/MySQL databases by implementing **advanced indexing strategies** and **Stored Procedures (SP)** to reduce downtime and improve query performance by 25%.
- **DevOps:** Managed containerized deployments using Docker and CI/CD to increase release velocity.

Wipro | *Data Engineer* | Jul 2020 – Aug 2021

- **Big Data:** Engineered financial data pipelines using **Airflow, Spark, and Hadoop** for banking clients.
- **Security & IaC:** Provisioned secure environments via **Terraform**; implemented IAM/KMS encryption.

SELECTED PROJECTS

- **Person360:** Enterprise platform consolidating multi-channel payments (web, voice, text) into AWS.
- **CoperniCUS Auto:** Migration engine for automated financial institution onboarding and data ingestion.

EDUCATION & CERTIFICATIONS

- **M.S. in Computer Science** | New York University (NYU)
- **B.Tech in Computer Science** | SRM University
- **AWS Certified Cloud Practitioner (CCP)** | *Preparing: AWS Certified Data Engineer*