

GANESAN S

(630) 791-0656 | WA, United States | s.ganesan@myyahoo.com | [linkedin.com/in/ganesansantha77/](https://www.linkedin.com/in/ganesansantha77/) | github.com/Ganesh96

PROFESSIONAL SUMMARY

Full Stack Software Engineer with 5+ years of experience building **scalable data pipelines**, **ETL workflows**, and **cloud-native data solutions** using Python, SQL, and big data technologies. Proven expertise in data integration, modeling, and governance for HIPAA-compliant and high-traffic systems.

EDUCATION

University of Florida – Master’s in Computer Science	GPA: 3.61/4.00	Aug 2021 – May 2023
SRM University, India – Bachelor’s in Computer Science	CGPA: 8.844/10	July 2014 – May 2018

TECHNICAL SKILLS

Data Engineering:	ETL/ELT, Apache Spark, AWS Glue, Apache Kafka, Azure Data Factory, PostgreSQL, DynamoDB
Cloud Platforms:	AWS (S3, Lambda, Glue, Redshift), Azure (Blob Storage, SQL DB, Data Factory)
Languages:	Python, SQL, Java, C#
Data Tools:	Apache Airflow, dbt, Pandas, PySpark, Neo4j, Redis
Security:	Data quality monitoring, GDPR/HIPAA compliance, Serilog, encryption (AES)

WORK EXPERIENCE

Maxil Technology Solutions | Full-Time | *Software Engineer* | Oak Brook, IL May 2024 – Present

Product Description: Job Board for contract IT roles

- Designed **scalable data pipelines** using **Apache Spark** and **AWS Glue** to process 10M+ daily job applications, transforming raw clickstream data into structured formats for PostgreSQL and pgvector-powered recommendation engines.
- Automated **ETL workflows** for a Neo4j-based referral system, reducing data processing time by **30%** through parallelized AWS Lambda jobs and S3-to-ECS data transfers.
- Implemented **data quality checks** with Python (Pandas) and **dbt** to ensure 99.8% accuracy in candidate-job matching analytics.

BestRx Pharmacy Software | Full-Time | *Full Stack Engineer* | Oak Brook, IL Aug 2023 – Apr 2024

Product Description: Pharmacy Management Suite (Point Of Sale, Inventory, Medical Billing)

- Built a **HIPAA-compliant data lake** on Azure Blob Storage, integrating pharmacy POS, inventory, and billing data via **RESTful APIs** and **Azure Data Factory**, improving cross-system data accessibility by 40%.
- Optimized SQL Server stored procedures and indexing for a prescription tracking system, reducing query latency by **25%** and enabling real-time compliance reporting.
- Leveraged **SQL Server** and structured logging (.NET Serilog) to standardize troubleshooting, reducing resolution time by **40%**.

Autoreview.ai | Intern | *Software Engineer Intern, AI/ML* | Gainesville, FL May 2022 – Dec 2022

Product Description: Document Manager for Construction Companies

- Engineered a **geospatial ETL pipeline** using **PostGIS** and **Google Maps APIs** to process 50k+ construction site records, enabling flood-risk analysis with 92% accuracy.
- Automated license key generation workflows with **Python** and **AES encryption**, reducing subscription onboarding time by **50%**.
- Built a **Python Celery task queue** integrated with **Redis pub/sub** to handle asynchronous geocoding requests, processing 10k+ GIS transactions daily with 99.9% uptime.

Infosys | Full-Time | *Software Engineer* | Chennai, India Jul 2018 – Jul 2021

Product Description: Information System for Subsidized Housing Projects

- Migrated legacy Oracle databases to **Azure SQL**, designing star-schema models for subsidized housing projects and cutting reporting latency by **35%**.
- Developed **Apache Kafka** pipelines to synchronize contract management data across 15+ regional offices, ensuring real-time data consistency.
- Engineered **20+ parameterized stored procedures** and **SQL Server Integration Services (SSIS)** packages to automate data ingestion from 3rd-party APIs, reducing manual ETL efforts by **30 hours/month**.