

ARVIND SWAMI GANESHAN

Data Engineer | Data Governance Specialist | GRC Analyst

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Right to Work: UK Resident • **Availability:** Immediate • **Willing to Relocate:** UK Wide

PROFESSIONAL SUMMARY

Results-driven Data Engineer with 5+ years architecting enterprise data pipelines, ETL workflows, and governance frameworks within global financial services (BNP Paribas, Thomson Reuters). Expertise in Python, SQL, Oracle PL/SQL, Apache Airflow, Spark, and Azure cloud infrastructure. Proven track record delivering zero-downtime database migrations, automating 85% of deployment workflows, and ensuring 100% compliance with NIST, ISO 27001, and GDPR/Data Protection Act 2018 standards. Currently completing IBM Data Engineering & Generative AI Professional Certificate (90% complete). Seeking immediate Data Engineer or Data Governance roles in the UK.

CORE COMPETENCIES

Data Engineering: Python (Pandas, NumPy), SQL (Advanced), Oracle PL/SQL, ETL Pipeline Development, ELT, Apache Airflow, Apache Spark, Apache Kafka, Hadoop, Data Warehousing, Data Modeling, Database Migration, PostgreSQL, MongoDB, NoSQL, XML Processing.

Cloud & DevOps: Microsoft Azure, CI/CD, Jenkins, Git, Ansible Automation, Unix/Linux (Advanced), ServiceNow, Jira.

Governance, Risk & Compliance (GRC): Data Governance, NIST Framework, ISO 27001, GDPR, Data Protection Act 2018, File Integrity Monitoring, Vulnerability Management, Incident Management, GRC Analytics, Log4j Remediation.

Methodologies: Agile, ITIL, Change Management, Stakeholder Management, Technical Leadership.

PROFESSIONAL EXPERIENCE

Technical Support Analyst

BNP Paribas

Mumbai, India

October 2022 – September 2023

- Architected and deployed IVELO, a Python and Ansible automation platform for mass data deployments, achieving 85% reduction in deployment time (8 hours to 1.5 hours) and saving 180+ engineering hours across 30+ releases.
- Managed data infrastructure for 4,000+ servers and 50+ applications, developing 50+ monitoring dashboards in Dynatrace from Geneos to ensure proactive incident detection and 25% performance improvement post migration.
- Led global File Integrity Monitoring rollout across APAC, EMEA, and NAR regions for 4,000+ servers, attaining 100% compliance with security audits and zero regulatory findings.
- Optimised data infrastructure capacity by decommissioning 15+ redundant servers and provisioning 5+ high-demand nodes, improving system performance by 25%.
- Led technical team of 7 data specialists, mentoring 4 junior engineers and presenting infrastructure strategy to VP-level stakeholders in Agile ceremonies.

Systems Engineer

Infosys Limited (Client: Lexis Nexis)

India

September 2021 – September 2022

- Resolved 3,000+ data incidents including 50+ P1 critical escalations, maintaining 99.9% SLA compliance for enterprise legal data platforms.
- Coordinated emergency Log4j security remediation across 20 Java applications, implementing patches and database hardening to prevent data exploitation under GDPR and Data Protection Act requirements.
- Maintained biweekly data release cadence using CI/CD pipelines (Jenkins, Git) and ServiceNow for change management in ITIL-aligned processes.

Senior Operations Executive

Infosys Limited (Client: Lexis Nexis)

India

September 2020 – September 2021

- Executed zero-downtime Oracle database migration (10g to 19c) for critical legal databases, ensuring zero data loss and 99.9% accuracy through PL/SQL stored procedures, triggers, and audit functions.
- Automated 40% of data validation processes using Gherkin and TestComplete frameworks, reducing post-deployment incidents by 20%.
- Developed complex PL/SQL ETL procedures for high-volume data extraction, transformation, and loading opera-

tions.

Operations Executive

Infosys Limited (Client: Lexis Nexis)

India

September 2018 – September 2020

- Developed Perl and Shell scripting automation for XML data pipelines, reducing data processing time by 30% and supporting Mainframe-to-Linux modernization initiatives.
- Managed Unix/Linux release cycles and ETL workflows for enterprise legal information platforms.

KEY DATA ENGINEERING PROJECTS

IVELO Data Pipeline Platform (BNP Paribas) – Python, Ansible, SQL, Azure

- Built enterprise-scale automation platform orchestrating 30,000+ server deployments with Ansible playbooks and Oracle validation, delivering 85% time reduction and 180+ hours saved per quarter.

Global Data Compliance Infrastructure (BNP Paribas) – Newtrix, Dynatrace, ISO 27001

- Implemented File Integrity Monitoring and data governance controls across 4,000+ servers in 3 global regions, achieving 100% compliance with NIST and ISO 27001 standards within 6 months.

Oracle Enterprise Migration Framework (Lexis Nexis) – Oracle, PL/SQL, ETL

- Led database migration framework development with zero data loss architecture, implementing automated validation procedures achieving 99.9% accuracy and 40% testing automation.

EDUCATION AND CERTIFICATIONS

MSc Management and Information Systems – Cranfield University, UK

September 2024

Dissertation: *Digital Twin Applications for Cybersecurity (NIST, ISO 27001 Frameworks)*

BSc Information Technology – St. Andrews College, Mumbai, India

July 2018

PROFESSIONAL CERTIFICATIONS:

Cybersecurity Foundations: GRC • Vulnerability Management • Splunk for Security Analytics • Project Management: Risk Management • Prompt Engineering for Generative AI

In Progress: IBM Data Engineering & Generative AI Professional Certificate (Expected June 2026)

ADDITIONAL INFORMATION

Awards: Infosys Insta Award (2022, 2019) for Critical Technical Delivery • BNP Paribas Recognition for Rapid Technical Transition

Languages: English (Fluent), Hindi (Fluent), Tamil (Native)

Current Bridging Role: Assistant Manager, Premier Convenience Store (Feb 2025–Present) – Applying data analysis and financial compliance skills to inventory optimization and zero-discrepancy reporting while completing IBM certification.