



Senior Data Engineer

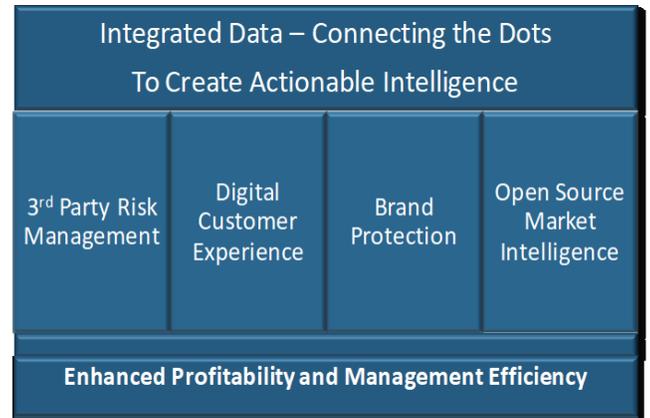
Aegis Mobile, LLC
Offices in multiple locations

Aegis Overview

Aegis is a global leader in brand protection, fraud detection, 3rd party integrity assurance, channel risk management, and multi-source data intelligence. Aegis utilizes the most sophisticated Internet and mobile web surveillance and capture tools available today to hunt, capture and retain dynamic and static information to deliver:

- Business Analytics for Brand Protection and Compliance
- 3rd Party Partner Risk Assessment and Monitoring
- Market Intelligence, SEO Performance, and
- Operational Insight and Transformation

Aegis provides multi-level investigative solutions to its clients through proprietary software tools that integrate and transform data into actionable information with intuitive user interfaces, APIs, and data analytics pipelines.



Aegis Solutions

The Company operates two highly focused business units:

- Brand Protection and Third-party Risk Management
- Multi-source Business Intelligence and Analytics

Our systems are designed to be customized to meet the individual customer's processes and objectives. In its brand and partner protection products and services, Aegis "connects the dots" using proprietary software to create business insight as well as partner and program visibility across business channels to improve performance, risk mitigation, and management efficiency. For its business intelligence and analytics services, Aegis integrates customers' data with open-source information from across the Internet to deliver customized, actionable, world class business intelligence.

Position: Senior Data Engineer

Need Statement

We are seeking a Senior Data Analyst / Engineer who can take ownership of our data architecture and elevate the organization's analytical capability. This role exists to strengthen the reliability, scalability, and strategic value of our data systems while reducing manual processes and increasing clarity in decision-making. We need a technical leader who designs durable systems, anticipates complexity, and builds infrastructure that supports organizational growth. The right candidate will raise standards, improve structure, and ensure data is a strategic asset rather than a reactive function.

Job Summary

The Senior Data Analyst / Engineer will architect and maintain scalable data pipelines, design performant relational models, and deliver high-impact analytical insights that influence business direction. This role blends hands-on engineering with advanced analytics and requires the ability to translate ambiguous business problems into structured, data-driven solutions. Operating with autonomy, this individual will shape data architecture decisions, implement governance and quality controls, and continuously improve how information is structured and consumed across the organization. Over time, this role will help define the long-term direction of the data function and support the development of a high-performing data capability.

Responsibilities

- Architect, build, and maintain scalable ETL/ELT pipelines that support operational and analytical workloads
- Design and optimize relational data models for performance, integrity, and long-term maintainability
- Own SQL performance tuning, indexing strategies, and execution plan analysis across large datasets
- Establish data validation, monitoring, and quality controls to ensure reliability and traceability
- Translate ambiguous business problems into structured analytical frameworks and deliver executive-ready insights that inform strategic decisions
- Automate manual reporting processes and improve efficiency through durable technical solutions
- Define and enforce standards for data structure, naming conventions, documentation, and governance
- Identify systemic weaknesses in current data processes and implement corrective architectural improvements
- Collaborate with engineering and DevOps to ensure cloud-based data infrastructure is secure, scalable, and resilient
- Mentor analysts and elevate technical standards across the data function
- Contribute to roadmap discussions by providing data-informed perspective and forward-looking insight

Expectations

- Operate with a high degree of autonomy and take ownership of outcomes, not just assigned tasks
- Anticipate data needs and structural challenges before they become operational constraints
- Design solutions that are durable, scalable, and aligned with long-term organizational growth
- Elevate standards for data quality, modeling, documentation, and reproducibility
- Move beyond reactive reporting to proactive insight generation
- Demonstrate sound architectural judgment when balancing performance, complexity, and maintainability
- Communicate analytical findings clearly and concisely to both technical and executive audiences
- Influence decision-making through rigorous analysis and thoughtful interpretation
- Hold yourself accountable for measurable impact and continuous improvement
- Contribute to strengthening the overall data capability of the organization through mentorship and example

Knowledge and Skill Requirements

- Advanced SQL expertise, including window functions, CTEs, performance tuning, and execution plan analysis
- Strong understanding of relational database design, normalization principles, and data modeling techniques
- Experience designing, building, and maintaining production-grade ETL/ELT pipelines
- Proficiency in working with cloud-based data environments and services
- Deep understanding of data integrity, validation strategies, and quality control frameworks
- Ability to structure ambiguous business problems into measurable analytical approaches
- Strong analytical reasoning and quantitative problem-solving skills
- Experience automating data workflows and reducing manual operational dependencies
- Ability to design systems with scalability, reliability, and maintainability in mind
- Clear and precise written and verbal communication skills
- Strong documentation practices to ensure reproducibility and knowledge transfer
- Ability to mentor and guide junior analysts or engineers on technical best practices

Experience with the Following Technologies (Strongly Preferred)

- Microsoft Azure data services (e.g., Azure Data Factory, Azure SQL, Azure Storage)
- Data orchestration and transformation platforms
- Business intelligence and visualization tools (e.g., Power BI)
- Modern data platform services (e.g., Microsoft Fabric, data lake architectures)
- Streaming or near-real-time data processing frameworks

Additional Desirable Knowledge and Skills

- Experience contributing to long-term data strategy or roadmap planning
- Experience implementing formal data governance, lineage, or data quality programs
- Experience supporting executive decision-making with structured, high-impact analysis
- Demonstrated ability to evaluate technical tradeoffs and guide architectural decisions

Qualifications

- Bachelor's degree in Data Analytics, Computer Science, or a related field (or equivalent professional experience)
- 7+ years of progressive experience in data analytics, data engineering, or a hybrid role with increasing scope and responsibility
- Demonstrated experience owning data solutions from architecture through production support
- Proven track record of delivering analytical insights that influenced operational or strategic decisions
- Experience working in collaborative environments alongside software engineering and technical leadership teams.
- Must be able to work in a hybrid capacity, including attending in-person meetings at an Aegis office location as business needs require

Why You'll Want to Work with Aegis

Aegis is an innovative, diverse, and dynamic company with tightly woven teams constantly exploring new ways to produce advantages for our clients. With offices in Maryland, Virginia, Alabama, and Sydney Australia, we provide opportunities to work in a variety of settings and use the collaborative brainpower around you to ask and answer interesting questions. We have a broad range of backgrounds and interests: experts in fields such as finance, real estate, politics, and naval engineering, come together to make an intriguing and educational work environment. We value independent thinkers who enjoy solving complex problems and building durable systems that matter. We offer excellent benefits and competitive salaries.