**Anoohya Alivelu Bhaskarla**

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**Objective**

Motivated and detail-oriented IT professional with over 6 years of experience in delivering impactful solutions across diverse projects. Seeking a challenging role where I can contribute to meaningful outcomes through continuous learning, effective collaboration, and a strong commitment to excellence and innovation.

**Key Strengths**

* **Advanced Data Engineering & Cloud Expertise:** Hands-on experience building large-scale, production-grade data pipelines on Amazon Web Services (AWS) using services such as AWS Glue, Athena, Redshift, Lambda, Step Functions, and S3. Developed scalable ETL/ELT workflows for real-time analytics and reporting in airline and retail domains.
* **Technical Proficiency Across the Stack**: Strong programming skills in Python, Java, Shell scripting, Scala (Spark), and Oracle PL/SQL, with deep experience in SQL performance tuning, cloud-native tooling, and robust enterprise data engineering frameworks.
* **System Analysis & Solution Architecture:** Proficient in translating complex business requirements into scalable, secure, and modular AWS-based architectures. Skilled in solution design, system integration, and creating detailed design documentation for long-term sustainability and stakeholder alignment.
* **Automation & Process Optimization:** Proven ability to automate manual and repetitive processes using AWS Lambda, CI/CD pipelines with Jenkins, Git, and AWS CodePipeline, reducing operational overhead and improving efficiency. Skilled in developing reusable, fault-tolerant data frameworks.
* **DevOps & Production Support:** Experienced in implementing resilient CI/CD workflows, infrastructure automation (Terraform), and monitoring using AWS CloudWatch, CloudTrail, and ServiceNow. Adept in incident management, root cause analysis, and ensuring system availability in production.
* **Data Quality & Governance:** Strong focus on data quality, applying automated validations, schema enforcement, anomaly detection, and ensuring compliance with SLAs and security policies (IAM, KMS encryption, audit logging). Supported enterprise-wide governance and GDPR-compliant practices.
* **Agile Delivery & Project Management:** Delivered in Agile/Scrum environments using Jira, Confluence, and Slack. Regularly involved in sprint planning, stand-ups, retrospectives, and iterative delivery cycles, driving alignment across cross-functional teams.
* **Cross-functional Communication & Mentorship:** Collaborative communicator with experience working across business, analytics, ML, and DevOps functions. Mentored junior engineers, conducted code reviews, and led documentation initiatives to ensure delivery consistency and team-wide knowledge sharing.
* **Adaptability & Quick Learning:** Demonstrated ability to rapidly adapt to new tools, domains (aviation, retail, energy, pharma), and infrastructures. Delivered early impact by independently onboarding new pipelines and optimizing complex AWS-based workflows.
* **Domain Knowledge & Analytical Thinking:** Strong analytical mindset with domain expertise in aviation operations, retail analytics, energy management, and public health data. Skilled in extracting actionable insights from large-scale datasets using AWS Glue, Spark, and Athena SQL.

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| **Education and Certifications** | | **Technology Skills** |
| ✓ **Bachelor of Technology in Electronics and Communication Engineering**     Kalasalingam Academy of Research and Education, Tamil Nadu, India     2017 – 2021  **✓ Microsoft Certified: Azure Administrator Associate ✓ AWS Certified Cloud Practitioner and Admin Associate ✓ Microsoft Technology Associate – Python Programming ✓ SAP ABAP Development Associate (Certified) ✓ Python Programming (Elite), NPTEL** | * Python, Java, PL/SQL, SQL, Shell Scripting ,Oracle Performance Tuning, Indexing, FTP Server Optimization * Databases: Oracle, SQL, MongoDB * ETL & Backend Development: PL/SQL development, Stored Procedures, Triggers, Query Optimization, Data Extraction & Transformation * Oracle APEX, Oracle Forms and Reports, Enterprise application support and enhancement * JIRA, Confluence, Agile/Scrum practices, Cross-functional collaboration * Jupyter, Oracle SQL Developer, Tableau, Power BI,Vs Code, ChatGPT, NLTK, spaCy, Scikit-learn, Pandas, NumPy, Sentiment Analysis, Text Classification, EDA, Statistics | |

**WORK EXPERIENCE**

**Rhythmos Inc**

**Data Engineer**

**Client: 7Eleven. Jan 2024- Present**

* Supported the ingestion, transformation, and governance of large-scale airline operational and customer data into a centralized cloud data lake on Amazon Web Services (AWS).
* Developed and optimized complex ETL/ELT pipelines using AWS Step Functions, AWS Glue, Athena, and Python, enabling scalable data workflows for flight operations, customer experience, and business intelligence.
* Designed resilient, fault-tolerant pipelines leveraging Amazon S3, Lambda, and Kinesis, ensuring high availability, data accuracy, and compliance with performance SLAs for near real-time operational dashboards.
* Partnered with cross-functional teams to gather business requirements, define solution architectures, and implement data products aligned with both technical and strategic objectives.
* Led data quality enforcement efforts using AWS Glue Data Quality, custom validation scripts, anomaly detection logic, and alerting with Amazon CloudWatch and SNS.
* Reviewed and maintained production-grade code in Git, ensuring modularity, test coverage, and adherence to enterprise data engineering standards.
* Architected and implemented CI/CD pipelines using AWS Code Pipeline, Code Build, and Jenkins, automating testing, deployment, and monitoring across development environments.
* Mentored junior engineers and contributed to internal documentation and onboarding materials to promote knowledge sharing and delivery consistency.
* Performed query optimization and cost tuning in Amazon Athena and Redshift, improving cost efficiency and reducing business query response times.
* Led migration of legacy data workflows to modern, cloud-native architectures using AWS-native tools, reducing technical debt and improving maintainability.
* Managed change requests and incident resolutions through ServiceNow, performing root cause analysis and ensuring timely production fixes.
* Supported analytics and reporting teams with data modeling, custom SQL development, and enablement of self-service access via AWS Lake Formation and QuickSight.
* Applied DevOps and Agile practices using Jira, contributing to sprint planning, story estimation, and delivery in fast-paced Scrum environments.
* Ensured security and governance through strict control of IAM roles, S3 bucket policies, encryption (KMS), and audit logging with CloudTrail.
* Delivered process documentation and architecture diagrams to align with stakeholder expectations and support long-term solution sustainability.

**Environment:**  AWS (S3, Glue, Lambda, Step Functions, Athena, Redshift, Kinesis, Lake Formation, CloudWatch, CloudTrail, KMS, IAM),

Python, SQL, Shell Scripting, Jenkins, Git, Code Pipeline, CodeBuild, ServiceNow, Jira, Confluence

**Rhythmos Inc**

**Data Engineer**

**Client: 7Eleven. Sep 2024- Dec 2024**

* Designed and enhanced a modular and reusable data pipeline framework to ingest, process, and validate large volumes of POS, inventory, and customer data (in TB scale) from thousands of retail locations into **AWS-based data lakes**.
* Built idempotent batch data pipelines using **Apache Spark (Scala)**, **Apache Airflow**, and **Amazon Redshift/Athena**, ensuring high availability, SLA guarantees, and fault-tolerant job execution across diverse data products.
* Supported data products focused on People Analytics (e.g., employee retention, shift behavior, performance analysis), aligned with enterprise-scale **Data Governance and Quality frameworks**.
* Implemented automated data quality checks, schema validations, anomaly detection, and null handling using **AWS Glue**, **Lambda**, and **custom validation scripts**, ensuring 100% trust in operational and analytical datasets.
* Led **data modeling** for multiple domains, designing scalable and evolving schemas to support downstream analytics and enabling seamless joins across disparate sources like HR, operations, and store performance.
* Collaborated with cloud platform, ML, and analytics teams across geographies to align on technical best practices and improve overall data platform capabilities.
* Mentored junior engineers through code reviews, architectural guidance, and documentation efforts, fostering a strong knowledge-sharing culture and maintaining engineering quality standards.
* Used **Spark SQL** and **Athena/Redshift SQL** for complex analytical transformations, profiling, and optimizing queries across terabyte-scale datasets.
* Translated vague or ambiguous business data requirements into actionable technical specifications, communicated trade-offs, and delivered robust pipelines aligned with stakeholder needs.
* Handled **incident management**, pipeline debugging, and root cause analysis using **CloudWatch**, **AWS Glue job logs**, **Athena logs**, and **ServiceNow**, ensuring observability and production stability.
* Led optimization efforts that reduced average pipeline execution time by 40%, while consistently maintaining strict SLAs for marketing and loyalty analytics use cases.
* Delivered high-impact solutions independently within the first month of onboarding, demonstrating adaptability to complex AWS-based infrastructure and tools.
* Contributed actively in Agile sprints using **Jira**, participating in planning, standups, and retrospectives to align delivery with business priorities.
* Documented internal practices in **Confluence** to support onboarding, reduce support overhead, and promote architectural consistency across teams.

**Environment:**  Tech Stack:

AWS (S3, Glue, Redshift, Athena, Lambda, CloudWatch, IAM),

Apache Spark (Scala), Apache Airflow,

Python, SQL (Athena SQL, Redshift SQL, Spark SQL),

Git, Jenkins, Jira, Confluence, ServiceNow

**Oracle Private Limited**

**Associate Consultant**, **Mumbai, India Jan 2023 – Aug 2023**

**Client: E. ON Group (Leading European Energy Provider)**

* Led the development of critical frontend and backend features for enterprise energy management applications, ensuring seamless functionality and timely delivery.
* Designed and implemented PL/SQL-based business logic for large-scale data workflows, including optimized queries, triggers, and stored procedures.
* Utilized Python and Java to automate key backend processes, enhance system efficiency, and reduce operational overhead.
* Developed and scheduled Shell scripts on IBM AIX and SUSE Linux for monitoring, automation, and maintenance activities.
* Focused on Oracledatabase performance optimization through indexing strategies, query tuning, and troubleshooting of high-volume transactional systems.
* Supported application infrastructure improvements, with emphasis on system stability and enhanced FTP server performance for reliable data transmission.

**Environment:** Oracle SQL Developer, PL/SQL, Oracle Forms, Agile, Scrum, JIRA, Confluence, Windows, IBM AIX, SUSE Linux, Python, Java, Shell Scripting, Oracle 12c/19c, FTP Server, Jenkins (CI/CD), Cron Jobs, Git, VS Code, Jupyter Notebooks, Oracle Cloud Infrastructure (OCI), AWS (basic)

**Wipro Private Limited**

**Associate Consultant, Bangalore, India**  **Jun 2021 – Jan 2023**

**Client: METRO AG (Germany – International Food Wholesaler)**

* Played a vital role in enhancing enterprise applications by resolving high-priority issues and optimizing performance for stability and resource efficiency.
* Collaborated with cross-functional teams throughout the SDLC, including impact analysis, feature validation, and seamless production deployments.
* Developed and maintained automation scripts using Python, Shell scripting, and PL/SQL to streamline manual processes and improve system reliability.
* Utilized Oracle SQL and PL/SQL for backend data extraction, transformation, and reporting, including writing stored procedures, triggers, and performance-tuned queries.
* Led root cause analysis and troubleshooting to identify bottlenecks and system errors, minimizing downtime and ensuring application resilience.
* Contributed to continuous improvement initiatives by automating repetitive workflows and enhancing application monitor ing.
* Worked in Agile/Scrum-based environments and participated in daily stand-ups, sprint planning, and retrospectives.
* Created and maintained documentation in Confluence and tracked tasks and issues in JIRA.

**Environment:** Oracle SQL Developer, Oracle APEX, Oracle Forms and Reports, Agile, Scrum, Windows, JIRA, Confluence, Python, Shell Scripting, Oracle 19c, Jenkins (CI/CD), JIRA, Confluence, Agile/Scrum practices, Stand-ups, Sprint Planning

**Knowledge Solutions**

**Intern & Software Developer March 2020 – June 2021**

* Conducted in-depth analysis of the key epidemiological and socio-economic factors influencing the spread and impact of COVID-19 across Asia, with a special focus on India.
* Explored correlations between infection trends and variables such as population density, mobility patterns, healthcare infrastructure, and policy interventions.
* Delivered insights that supported strategic planning for public health response and resource allocation.
* Internally transitioned to support data projects in the pharmaceutical domain, contributing to patient behavior analysis and medication trend forecasting.
* Performed Health Checks and reacted to the problems via incidents/Defects raised from client side through control M and provided the solution
* Wrote advanced **SQL** and **Spark code** to pull insights from large datasets quickly and accurately.
* Met with business teams to understand their needs and translated them into working data solutions that answered their questions.
* Solved live problems in production systems using logs and monitoring tools, and fixed issues quickly with proper testing and documentation.

**Environment:** SQL, Apache Spark, Python, Control-M, Excel, Shell Scripting, Linux, Jira, internal ticketing tools and visualization tools (like Tableau or Power BI, if used). Also worked with logs and monitoring tools for production support.