ARUNAGIRI AMBALAVANAN

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SUMMARY

Results-driven Technical Lead with 16+ years of experience in Business Intelligence and Data Technology. Adept at optimizing data workflows, translating raw data into actionable insights, and implementing cutting-edge analytics technologies. Customer-focused mindset with a strong ability to understand diverse industry dynamics and deliver tailored solutions. Known for effectively collaborating with stakeholders to drive business success.

SKILLS

- Highly Adaptable.
- Cloud Technologies Microsoft/AWS/GCP.
- Expertise in Data visualization and reporting tools.
- Expertise in statistical analysis for business.
- Specialized Business Acumen.
- Expert in System Design and ETL pipelines.
- Effective communication
- Rigorous thinking
- Strategic Thinking.
- Microservices Architecture
- Development Methodologies: Agile, Kanban
- Technologies used: Power BI, Tableau, CRM Analytics, IDMC, AWS, ADF, HBase, Apache Spark, Snowflake, Teradata, Oracle, PySpark, R, Python.

WORK HISTORY

Tech Lead to Principal Engineer, 04/2013 to Current
Altimetrik Corp - San Francisco, CA

- Successfully migrated data from Sales Force cloud to a multi-tenant Snowflake data warehouse, resulting in improved data accessibility and scalability.
- Implemented reusable data pipeline using PowerShell for TDS to automate AD authentication, reducing manual effort.
- Developed insights for Salesforce enablement CRM analytics platform, enabling customers to identify sales team performance and milestones, resulting in improvement in sales productivity.
- Created insights for Salesforce Trailhead Analytics Data platform, providing visibility of available Salesforce domain experts for B2B vendors, which improves vendor collaboration and support.
- Led end-to-end implementation of decisions.com framework, automating workflows and reducing Mean-Time-To-Deploy rate for FIS sales team. This results in cost reduction of $350k per year.
- Architected and generated insights about CS agents for PayPal, leading to actionable recommendations that improved click stream performance and resulted in 30% increase in customer contact rate.
- Established CI/CD infrastructure to automate AWS Cloud ETL pipelines for SVB Bank, improving deployment time and overall development efficiency.
- Successfully migrated enterprise data warehouse from on-premises to AWS cloud infrastructure.
- Enhanced CTA report generation performance for Visa Inc., reducing the generation timeline from 2 hours to under 5 minutes.
- Led implementation of analytics algorithms utilizing clustering techniques to identify outliers for PayPal products, enhancing anomaly detection capabilities and optimizing product performance.
- Spearheaded cross-collaboration efforts to implement an AuthN service for the image center product at FIS, effectively reducing security vulnerabilities and providing enhanced security measures for their B2C clients.

DBA, 03/2011 to 04/2013
Technosoft Global Services

- Successfully migrated multiple ETL pipelines, resulting in improved data integration efficiency and decreased data processing time.
- Migrated Informatica 8.x and 9.x client/server on Windows and UNIX platforms, enabling seamless data extraction, transformation, and loading processes.
- Proactively monitored and optimized ETL repository and performance improvements for system.
- Implemented and monitored ETL jobs to ensure optimal server space utilization, and reduced storage costs.
- Managed scheduling for ETL, Dataflux jobs, and Mviews using enterprise scheduler Active Batch, ensuring smooth execution of critical data processes and reduction in job failures.

KEY ACCOMPLISHMENTS

- Migrated legacy data to Snowflake data lake and documented the process.
- Implemented TLS 1.2 to Oracle DB servers and extended to ETL/BI tools.
- Championed advanced data encryption techniques.
- Led ETL integrations compliant with enterprise standards.
- Upgraded Informatica versions and repositories.
- Collaborated for server setups during Informatica's version upgrade.
- Standardized processes with Olympus release management tool integration.
- Automated data archival and addressed dashboard data quality issues.
- Optimized runtimes by identifying operational bottlenecks.
- Transitioned platforms from AIX to Solaris efficiently.

ROLES AND MERITS

- Designed advanced Tableau and Power BI dashboards.
- Set up and managed BI servers, integrating data tools effectively.
- Led the implementation and upgrade efforts for Informatica v9 & v10.
- Orchestrated seamless ELT processes using Azure Data Factory.
- Continuously optimized complex database queries to improve performance.
- Established a robust ETL infrastructure, primarily focusing on AWS.
- Championed the CI/CD process, utilizing tools such as Bitbucket, Jenkins, and Nolio.
- Instituted automated data archiving and retention methodologies.
- Periodically conducted platform and database upgrades, ensuring smooth functionality.
- Integrated and maintained data platforms at an enterprise level.
- Enhanced data security with standards, classifications, and advanced encryption in Oracle.
- Played a pivotal role in the administration of systems like Data Flux and Active Batch V8.
- Masterfully crafted shell scripts to boost post-session data processing.
- Identified and addressed data bottlenecks, ensuring top-tier session pipeline performance.
- Fostered collaboration with cross-functional teams, driving solutions for Informatica challenges.

PREVIOUS DECADE (2006 - 2011)

- Experienced professional with a diverse background working in multiple companies, holding roles as a Data Engineer and BI Developer.
- Refer detailed accomplishments: https://github.com/DetailedResumeNpdf

BADGES