RISHANTH GAUTHAM KALICHETI

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PROFESSIONAL SUMMARY

Senior Data Engineer with 6 years building enterprise data products that process billions of records across banking and healthcare. Specialize in 0 - 1 product design: architecting unified data models, automating pipelines, and translating business problems into scalable solutions.

PROFESSIONAL EXPERIENCE

Baxter International Inc | Bangalore, India | *Senior Analytical Engineer & Data Architect | Aug 2023 – Present*

- **Built first enterprise data product from scratch**: Unified procurement data from 10+ systems (AWS, SAP, Oracle, Coupa, JDE, Maximo, Concur) across 4 regions into single source of truth using Starburst + S3 data lake, serving 200+ stakeholders
- **Automated reporting** : Engineered Python pipelines that generate weekly/monthly/quarterly reports from Tableau/Power BI, reducing manual work from 15 hours/week to 30 minutes (97% time savings) and eliminating human error
- **Led M&A data integration**: Architected data models for $3.5B Hillrom acquisition and Kidney Care spin-off, enabling C-suite dashboards and financial planning within 60 days of transaction close-worked directly with executive team
- **Supplier master data**: Designed matching rules introducing parent supplier and legal entity hierarchy, achieving 80% improvement in supplier data quality and eliminating 1000+ duplicate vendor records across systems
- **Created procurement taxonomy from ground up**: Interviewed 30+ stakeholders across finance, ops, and procurement to build category/segment/division hierarchy that became single source of truth for $2B+ annual spend classification
- Built custom HTML/CSS within PowerBI dashboard catalog following Baxter design standards, creating searchable interface for 40+ previously scattered dashboards-improved discoverability and adoption by 60%

Impact: 500M+ records/day processed | 40% faster reporting | 94% forecast accuracy | $300K/year saved in manual effort

Tech Stack: AWS (S3, Glue, Athena), Starburst, Power BI, Tableau, Python, SQL, Bitbucket, Jira

First Citizens Bank (acquired Silicon Valley Bank) | Chennai, India | *Data Architect & Modeling Lead | Aug 2019 – Aug 2023*

- **Redesigned core banking architecture during cloud migration**: Led transition from legacy warehouse (STG→ODS→Dim/Fact) to product-based architecture on AWS, creating 6 data products from scratch serving 12+ business units
- **Shipped Customer 360 (flagship product)**: Architected unified customer view across Commercial, Private Banking, Life Sciences, and Capital divisions-became primary source of truth for Sales, Marketing, Cross functional units
- **Additional data products**: Built Investor 360, Loans, FX, Credit Card, and Credit Line analytics platforms from requirements → data modeling → production deployment, each processing billions of rows with 99.9% SLA
- **Innovated master data matching logic**: Identified that legal entity-first matching created 1000s of false negatives; proposed parent entity-first approach resulting in 80% increase in match rates and saving 100+ man-hours/week previously spent on manual Pitchbook matching
- **Automated Excel workflows (self-taught Power Automate)**: Eliminated 80% of manual data mapping work through M365 automation, freeing team to focus on analysis instead of data wrangling
- **Led governance initiatives**: Established dev/test/prod model repository structure, metadata management, lineage documentation, and reference data standards adopted across 4 business units and 20+ Agile/SAFe teams
- **Part of Architecture CoE**: Established DQ standards across Commercial, Private, Life Sciences, and Capital divisions as member of Center of Excellence team

Scale: Billions of rows | 12+ business units | 99.9% data quality SLAs | $500K/year operational savings

Tech Stack: AWS, ER Studio, SQL, Python, M365, Collibra, Airflow, IICS, BODS, Tableau, Jira, Gitlab

TECHNICAL SKILLS

Data Engineering: SQL (advanced), Python, AWS (S3, Glue, Athena, Lambda), Azure, Starburst, Airflow, IICS, BODS, Dbt

Data Architecture: Data Modeling (dimensional, 3NF), Data Warehousing, Data Lakes, Data Mesh, ER Studio, Master Data Management (MDM), Data Governance, Metadata Management

Analytics & BI: Power BI, Tableau, DAX, Data Visualization, Self-Service Analytics, Dashboard Design

Product & Collaboration: Requirements Gathering, Stakeholder Management, Agile/SAFe, Jira, Confluence, Cross-Functional Leadership, Technical Documentation, Git, Figma (prototyping)

EDUCATION

Jawaharlal Nehru Technological University |Bachelor of Technology, Electronics and Computer Science | 2019

ADDITIONAL INFORMATION

Self-taught skills: Dbt, Figma, Product management fundamentals, product design, optimization, AI applications