

Prudhvi Vuppalapati

Analytics Engineer

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I build the warehouse layer other teams query.

Four years of backend work on Postgres, MySQL, RDS and DynamoDB: tuning queries, sizing caches, and keeping the dashboards that told us when they broke. What I build now sits on the other side of that boundary. The pipelines that turn those operational databases into something a team can actually ask questions of.

EXPERIENCE

Full Stack Developer

Nov 2024 – Present

CGI · USA

- Cut average API response latency by ~25% with Redis caching and query optimization across Spring Boot REST services.
- Built and ran a Spring Boot microservices estate with Netflix Eureka service discovery and Spring Cloud Config.
- Deployed backend infrastructure on AWS Lambda, App Runner and S3.
- Validated API contracts, performance and security with Postman and Swagger ahead of each release.

Junior Full Stack Developer

Jan 2021 – Jul 2023

Lumen Technologies · India

- Tuned data access with Spring Data JPA over MySQL and PostgreSQL, and integrated Amazon RDS and DynamoDB for high-volume transaction workloads.
- Instrumented services with Spring Boot Actuator, Prometheus and Grafana dashboards, cutting mean time to resolution by ~40%.
- Added AWS CloudWatch logging and monitoring, reducing incident response time by ~35%.
- Migrated monolithic applications to Spring Boot microservices, cutting deployment time by ~30%.

SELECTED PROJECTS

INGEST

StreamGuard

Postgres write-ahead log to ClickHouse in seconds, not hours.
Postgres · Debezium · Kafka · ClickHouse · Prometheus · Grafana · Docker · github.com/4709625727/streamguard-cdc

MODEL

Lakehouse Quality Gate

Data quality that stops the pipeline instead of filing a report.
Airflow · dbt · Apache Iceberg · Great Expectations · Python · Docker · github.com/4709625727/lakehouse-quality-gate

MODEL

Field Ops Cost Audit

True cost per job, and where SLA breaches actually concentrate.
dbt · DuckDB · SQL · Python · pytest · GitHub Actions · github.com/4709625727/field-ops-sql-cost-audit

SERVE

Retail Margin Cockpit

One governed margin number, replacing five spreadsheets.
dbt · SQL · Power BI · DAX · Python · github.com/4709625727/retail-margin-cockpit

SERVE

cohortkit

Cohort triangles and RFM for any customer/order/revenue table.
Python · DuckDB · pandas · uv · github.com/4709625727/cohortkit

TOOLS

Pipelines & orchestration

dbt, Airflow, Debezium, Kafka, Great Expectations, Docker, Prometheus, Grafana, GitHub Actions, Kubernetes, Jenkins, Maven, Gradle

Warehouses & stores

PostgreSQL, ClickHouse, DuckDB, Apache Iceberg, MySQL, SQL Server, MongoDB, DynamoDB, Amazon RDS, Redis

Languages

SQL, Python, Java, JavaScript

Modelling & analysis

Star schema, pandas, pytest, Power BI, DAX

AWS

S3, Lambda, EC2, RDS, DynamoDB, IAM, Elastic Beanstalk, CloudWatch, Route 53

Backend

Spring Boot, Spring Data JPA, Spring Cloud, Spring Security, REST APIs, Microservices, Hibernate, JUnit, Mockito, Postman, Swagger, React, Angular

EDUCATION

Master of Science

May 2025

Kennesaw State University · Georgia, USA