

Rajasekar C

Data Engineer | Systems Builder

Data Engineer with 5+ years of experience in SQL, Python, and large-scale data systems. Built and maintained pipelines processing ~50M records daily. Recently focused on building full-stack applications, generative systems, and rapid prototyping using AI-assisted development workflows.

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WHAT I DO

- Build data pipelines and backend systems
- Rapidly prototype applications using AI-assisted workflows
- Develop generative and interactive systems
- Debug production issues and optimize performance

EXPERIENCE

Independent Data & Platform Engineering

Jun 2025 - Present

Applied product, backend, and automation work

- Built multiple web applications and generative systems using AI-assisted tools (Cursor, Copilot)
- Developed API-driven data pipelines using Python for ingestion and transformation
- Designed Redis-based caching and indexing layers for performance optimization
- Implemented cron-based workflows for automated background processing
- Rapidly prototyped and deployed multiple web and creative applications

Digit Insurance

Nov 2023 - Jun 2025

Data Engineer

- Built automation tools reducing issue resolution time from ~30 minutes to under 1 minute
- Designed and maintained ETL pipelines processing ~50M records daily
- Implemented SQL workflows for policy renewals and customer notification systems
- Resolved 4000+ production issues and reduced backlog from 600 to under 70
- Built internal tooling using Flask and Pandas to improve operational efficiency

Appzwork

Jan 2020 - Nov 2023

Software Engineer

- Developed SQL-based solutions for banking and insurance clients
- Built complex queries, joins, and stored procedures for analytics systems
- Handled production debugging, deployments, and incident resolution
- Supported database maintenance, patching, and recovery operations

PROJECTS

Valipokkann Platform

Built full-stack artist platform with React SPA and serverless backend. Designed dual CMS architecture and media processing pipelines, and implemented dynamic UI systems for content and artwork display. Live: valipokkann.in | GitHub: github.com/innovinylabs

Onchain Rugs

Developed generative NFT system with Redis-based indexing and caching, plus scalable metadata and activity tracking architecture. Live: onchainrugs.xyz | GitHub: github.com/innovinylabs

Free Notes (iPad App)

Designed note-taking system with geometric recognition and built a layered architecture for structured document interaction. GitHub: github.com/innovinylabs

Mdraschecks

Built checklist-driven verification flows for specialty retailers with backend orchestration, Redis caching, and API routing. Live: mdraschecks.com

SKILLS

- Core: SQL (advanced), Python (working), JavaScript
- Data & Backend: ETL pipelines, PostgreSQL, Redis, API integration
- Tools & Workflow: Git, Linux, Cursor (AI-assisted development)
- Familiar: Snowflake, basic Spark

EDUCATION

- B.E. - RMK Engineering College - CGPA: 7.17 (2012)
- HSC - Infant Jesus MHSS - 87.4% (2008)
- SSLC - St. Mary's Matriculation - 86.5% (2006)