

Anaswara T Rajan

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EXPERIENCE

Senior Software Engineer (4yrs+) - Backend, Data Platform

Aug 2021 - Sep 2025

McKesson Compile

Bangalore

- Engineered and scaled multiple **REST APIs** using **Django REST Framework**, reduced latency through **memory profiling, ORM query optimizations, strategic caching** and monitoring.
- Augmented and maintained a 12+ year-old **Python/Django codebase** of the internal data platform, performed **timely dependency management**, fulfilled support requirements for libraries/tools housed by platform and purged/refactored irrelevant modules.
- Led decoupling efforts for separating libraries/services (Django apps) from parent code-base using **Tach**, significantly **improving code health and manageability**.
- Built and enhanced key customer-facing applications, including the **Centralized Customer Dashboard** and **Data Dictionary app**, using Django, Django REST Framework and **Nuxt.js**. Collaborated closely with Product teams to brainstorm, discuss complex features and smooth execution.
- Revamped the platform's **authentication systems** in Django. Implemented and deployed **Multi-Factor Authentication (MFA)** and custom OTP flows using a staggered release strategy, resulting in **zero customer issue tickets and seamless adoption**.
- Managed risk and ensured system integrity by conducting comprehensive **security and unit/integration testing**, resolving critical OWASP vulnerabilities (using Veracode) to ensure strict PHI/HIPAA compliance for healthcare data offerings.
- Created an internal **data governance tool (Django/SQLAlchemy)** to track data provisioned in Snowflake. This tool streamlined compliance checks and contract adherence, **reducing the time spent by the Data Operations team on provisioning by over 75%**.
- Worked closely with customer success enabling **quick turnaround** on resolving **customer issue tickets and root cause analysis**.

Software Developer Intern

May 2020 – July 2020

Compile

Remote

- Developed a full-stack **NDC-HCPCS lookup tool** using **Django REST Framework** and Nuxt.js, providing users with quick search and export functionality for drug data.
- Built and optimized the underlying ETL pipeline using memory profiling. Setup monitoring and alerts to ensure the daily ingestion of clean, up-to-date data to Postgres DB.

TECHNICAL SKILLS

Languages: Python, Golang, JavaScript, TypeScript, Bash, SQL

Frameworks/Tools: Django, Django REST Framework, Gin, Flask, Echo, Nuxt, Vue, Pandas, NumPy

Databases: Postgres

PROJECTS

Comlink | *Go, Gin, Kafka, Postgres*

[Github](#)

- A Messaging API designed for 1-to-1 conversations. API handles message read/write operations, utilizing a Kafka queue and an asynchronous worker service to reliably persist data to a PostgreSQL database.

Your life in weeks | *Nuxt3*

[Github](#)

- Web app that visualizes the remaining weeks in a lifetime, based on a 90-year lifespan inspired by a [waitbutwhy](#) article.
- Daily visit gives perspective on time lived versus time remaining.

RSS Feed aggregator | *Go, Echo, Vue.js*

[Github](#)

- A Vue.js web app that fetches, aggregates, and renders RSS feeds from multiple (given) sources.

EDUCATION

Government Engineering College Palakkad

Kerala, India

Bachelor of Technology in Computer Science and Engineering

Aug 2017 - Aug 2021