Anaswara T Rajan

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SUMMARY

- **Experienced Backend Engineer (4+ years)** specializing in building and maintaining complex, scalable products using **Python, Django** and **PostgreSQL**

- Proven ability to **independently deliver** robust and well-tested solutions, from building full stack applications to maintaining large legacy code-bases. Established skills in **delegating and mentoring**. Focus on building **simple solutions to complex problems**

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

<u>Comlink</u> | *Go, Gin, Kafka, Postgres*　　　　　　　　　　　　　　　　　　　　　　　　　<u>Github</u>

- Messaging API optimized for 1-to-1 conversations. An API for message read/writes and a worker service to dump/backup messages asynchronously to Postgres DB via kafka queue

<u>Your life in weeks</u> | *Nuxt3*　　　　　　　　　　　　　　　　　　　　　　　　　　　　　<u>Github</u>

- Web app that visualizes the remaining weeks in a lifetime, based on a 90-year lifespan inspired by a <u>waitbutwhy article</u>.
- I visit the app once in a while as a source of motivation, reminds me how fleeting life is.

RSS Feed aggregator | *Go, Echo, Vue.js*　　　　　　　　　　　　　　　　　　　　　　　<u>Github</u>

- 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*