

Anaswara T Rajan

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EXPERIENCE

Senior Software Engineer (4yrs+) - Python Backend, Data Platform <i>McKesson Compile</i>	Aug 2021 - Sep 2025 Bangalore
<ul style="list-style-type: none">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 Python libraries/services 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.Leveraged Celery/RabbitMQ to set up asynchronous workflows for automated email notifications, long running data processing tasks and offloading network traffic between chatty services. Implemented apt retry logic and observability for high system throughput and reliability.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. Active involvement in product design phases to assess technical feasibility in early-stages.	

Software Developer Intern <i>Compile</i>	May 2020 – July 2020 Remote
<ul style="list-style-type: none">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/ Libraries: Django, Django REST Framework, FastAPI, Pandas, NumPy, Scrapy

Tools: Redis, Celery, Kafka, Docker, Docker Compose, Pytest

Databases: Postgres

PROJECTS

Comlink Go, Gin, Kafka, Postgres, Distributed event streaming	Github
<ul style="list-style-type: none">A Messaging API designed for 1-to-1 conversations. Gin API handles send/read messagesAn async worker utilizing a Kafka queue service to reliably store messages to a PostgreSQL database. Helps high-throughput during mass communications	

Hodor Python, Docker, Redis, FastAPI, Distributed rate limiting	Github
<ul style="list-style-type: none">While autoscaling APIs in distributed systems it can be hard to enforce global rate limits.The project explores ways to solve problems like race conditions and thundering herd in distributed rate limiting.	

RSS Feed aggregator Go, Echo, Vue.js	Github
<ul style="list-style-type: none">A Vue.js web app that fetches, aggregates, and renders RSS feeds from multiple (given) sources.	

EDUCATION

Government Engineering College Palakkad <i>Bachelor of Technology in Computer Science and Engineering</i>	Kerala, India Aug 2017 - Aug 2021
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