

## ANAT ALPHONSE T

### Python Full-Stack Developer

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### PROFESSIONAL SUMMARY

Backend-focused full-stack developer with hands-on experience building asynchronous, scalable REST APIs using FastAPI and SQLAlchemy. Skilled in designing secure authentication (JWT, RBAC), database schema design and migrations (PostgreSQL, Alembic), containerization (Docker) and CI/CD (GitHub Actions). Comfortable implementing user-facing interfaces with HTML/CSS/JavaScript and delivering maintainable, testable systems that solve real business problems.

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### CORE SKILLS

FastAPI, REST API, SQLAlchemy, PostgreSQL, Alembic, JWT, Role-Based Access Control (RBAC), Asynchronous Programming (async/await), Docker, Git, GitHub Actions, CI/CD, Postman, HTML, CSS, JavaScript, Bootstrap, ORM, CRUD, Testing (unit/integration), Performance tuning, Schema design

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### TECHNICAL SKILLS

**Languages:** Python, JavaScript, HTML, CSS

**Frameworks / Libraries:** FastAPI, SQLAlchemy, Bootstrap, jQuery, Django

**Databases:** PostgreSQL

**DevOps / Tools:** Docker, Git, GitHub, GitHub Actions, Postman, Alembic

**Design / Prototyping:** Figma, Canva

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### PROFESSIONAL EXPERIENCE

**Ekaksha Technologies** — Python Developer Intern

Apr 2025 – Present

- Built and maintained asynchronous REST APIs with FastAPI and SQLAlchemy to support high-concurrency traffic and reliable client integrations.
  - Implemented JWT-based authentication and (RBAC) to secure endpoints and enforce permission levels.
  - Integrated PostgreSQL using SQLAlchemy ORM and managed schema changes with Alembic migrations.
  - Created and executed Postman collections for API validation and collaborated with frontend developers to deliver responsive UI components using HTML, CSS and Bootstrap.
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### PROJECTS

**CRM using FastAPI** — 2025

- Designed and implemented a CRM backend with JWT authentication and role-based access control to secure APIs.
- Created CRUD endpoints for customer records (personal, contact, organization) using SQLAlchemy ORM.
- Implemented advanced filtering and search using query parameters for flexible data retrieval.
- Developed asynchronous endpoints and connection handling to improve concurrency and throughput.
- Managed database migrations with Alembic and documented endpoints with Postman/OpenAPI.

**Django E-commerce Web Application** — 2024

- Built a full-stack e-commerce platform using Django and PostgreSQL including product management, authentication, shopping cart and order processing.
  - Styled responsive front-end pages using Bootstrap and integrated backend order APIs.
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### EDUCATION

**Bachelor of Science (B.Sc.) — Computer Science**

Model College of Applied Science Kuzhalmannam (University of Calicut) Oct 2021 – May 2024

**Certificates & Courses:** Python Full Stack — Softroniics Sep 2024 – Mar 2025