

# Aditya Chaudhary

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## Technical Skills

- **Languages** : Python, JavaScript
- **Frameworks** : Fastapi, Django, Django REST Framework, Frappe (ERPNext), React.js
- **Frontend** : JavaScript, React, Tailwind CSS
- **Data Management** : PostgreSQL, MySQL, Redis, Elasticsearch
- **DevOps & Infrastructure** : Docker, Nginx, AWS, CI/CD, Github, Prometheus, Grafana
- **Backend Engineering** : Microservices Architecture, REST API Design, Event-Driven Systems, Multitenant Architecture, Message Queues, Websockets, Background Jobs (Celery / RQ), Caching Strategies, Authentication & Authorization (JWT), Authentication & Authorization (JWT), API Documentation (OpenAPI / Swagger)

## Professional Experience

### Python Backend & Devops Developer | Upforce ( July 2025 - Present )

- Develop high-performance REST APIs using **FastAPI and Flask** in a **microservices architecture**, ensuring scalable and maintainable backend services.
- Apply **Domain-Driven Design (DDD)** principles to structure services around business capabilities and maintain clean separation of concerns.
- Implement **background job processing** using tools like **Celery and RQ** for asynchronous tasks such as data processing and third-party API integrations.
- Design and maintain **inter-service communication and API contracts** across independently deployable services using **OpenAPI specifications** and shared libraries.
- Containerize backend services using **Docker** and build automated **CI/CD pipelines with GitHub Actions** for testing, builds, and multi-environment deployments.
- Work with **PostgreSQL** for relational data modeling and query optimization, and use **Redis** for caching and rate limiting to improve performance and scalability.
- Integrate **Elasticsearch** for full-text search, analytics, and faster retrieval of large datasets compared to traditional SQL queries.
- Ensure code quality through **unit, integration, and API testing** using **pytest and pytest-asyncio**, while maintaining interactive **Swagger/OpenAPI documentation** for easier team collaboration.
- Worked on cloud services like **AWS** for deployments and managed services, and implemented monitoring and logging solutions using tools like **Prometheus, Grafana** to ensure system reliability and performance.

### Python & React Developer | Techseria Pvt Ltd ( May 2024 - July 2025 )

- Developed **Frappe ERP** functionalities for **Digo (Singapore Client)**, including **Reports, Print Formats, Workflows, API Integrations, User Management, and Data Import/Export**. This reduced the manual workflow by **70%**.
- Built an **Azure Backup Module**, enabling **automated site backups** with configurable settings (**Azure credentials, backup type, retention period, scheduling**). Also created a custom script in Frappe to reduce manual workflow.
- Fixed issues like **scheduler job failures, cron execution issues, PDF rendering bugs, and image rotation errors**, ensuring system stability. Automated task scheduling, implemented **custom notifications**, and optimized data handling using advanced Frappe scripting.
- I worked on React. Developed Doctype-specific pages and components in **React**, implementing role-based access control (**RBAC**), protected routes, and dynamic UI components using **Material UI**. Also created portal pages using HTML, CSS and JS
- Designed **interactive dashboards and data-driven UI elements** for seamless **Frappe-React** integration
- Created RESTful APIs using **Django** and **Django REST Framework** to power mobile and client-side applications. Implemented user authentication, CRUD operations, and dynamic routing, integrating with PostgreSQL for efficient data handling and real-time updates.

### Python Developer | BrainyBeam Technologies Pvt. Ltd ( Aug 2023 - April 2024 )

- Led the development of a **Hotel Booking Web App** using **Django, Python, HTML, CSS, JavaScript, Bootstrap, and MySQL**.
- Integrated **user authentication, order history, and Razorpay payment processing** for secure transactions.
- Designed **RESTful APIs** for handling dynamic booking data and deployed the code on GitHub.

## Projects

### FullStack NoteApp ReactJs+DRF [ [GitHub](#), [Live Demo](#) ]

- This is a full-stack note-taking application built using **Django (DRF)** for the backend and **ReactJS** for the frontend.
- It features secure user authentication **with JWT, allowing users to register, log in, and log out**. It supports token management, **automatic token refresh**, and token blacklist handling for enhanced security. Used **GitHub Actions CI/CD** to automate deployment
- The application enables seamless CRUD operations on notes, including **create, read, update, delete, pin, and unpin**.
- A key feature of the platform is the ability to **generate public shareable links for notes**. Users can mark a note as **public**, which generates a unique link that can be shared on **social media or with anyone**. Recipients can view the note through the public archive page without needing an account. Notes can also be switched back to private at any time for full control over visibility.
- The NoteApp **backend** is deployed on an **AWS(EC2) Instance**, the **Database** on **NeonDB**, and the **frontend** on **Netlify**
- **Technologies:** Django, Python, Django Rest Framework, PostgreSQL, ReactJs, TailwindCss, Redis, AWS(EC2), Netlify, Nginx

## Thought Exchanger Tweet [ [GitHub](#) ]

- Developed a **Django-based social media platform** enabling users to **create, like, comment, and save tweets**, enhancing user engagement through a **follow/unfollow system** and **real-time notifications** of follow, unfollow and tweet activities.
- Implemented secure user authentication which **includes login, register, logout, reset password etc, profile management, and media uploads** for tweets and profile pictures, ensuring a seamless user experience with an interactive UI and **Toast Messages**.
- **Technologies:** Django, Python, Sqlite3, HTML, CSS, Bootstrap, JavaScript, Jinja

## Resource Center Platform [ [GitHub](#) + [Live Demo](#) ]

- Developed a **web-based resource-sharing platform** to allow users to upload, manage, and download files securely.
- Implemented **user authentication** , **cloud storage media (AWS S3 Bucket)** for secure file management.
- **Technologies:** Django, Python, PostgreSQL, HTML, CSS, JavaScript, Jinja, Bootstrap, AWS(S3) Bucket , NeonDB , Vercel

## JavaScript Projects [ [GitHub](#) + [Live Demo](#) ]

- This is a JavaScript-based project where I demonstrate my JavaScript skills through various mini-projects. It includes projects
- like News Portal App , dynamic user cards, Weather finder, To-do list with local storage, Stopwatch, an Image carousel, and more
- **Technologies:** HTML, CSS, JavaScript, DOM(Document Object Model), External API's

## Education

- Bachelor of Computer Application(BCA) from Gujarat University ( 2021 - 2024 )
- Higher Secondary School from Raja Ram Vidhya Vihar ( 2019 - 2021 )