ABHIJITH C
Backend Developer

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DESCRIPTION

A **Backend** developer with over **2+ years** of experience in **RESTful API** development and **backend microservices**. Proficient in building scalable and high-performance systems using **Flask**, **FastAPI**, and **Django**, with a strong focus on real-time communication through **Django Channels** and efficient messaging using **message brokers**. Experienced in integrating various **payment systems** and deploying solutions on **AWS** for robust cloud infrastructure. Passionate about staying updated with emerging technologies and consistently delivering innovative, reliable solutions to complex challenges.

TECHNICAL STRENGTHS

Development	**Python, Django, FastAPI, Flask**
Database	**PostgreSQL, MySQL, MongoDB**
VCS, Testing	**Git, GitHub, Postman, Swagger**
Others	**AWS, S3, RDS, gRPC, Pub/Sub, SQLAlchemy**
	DSA, RabbitMQ, Redis

WORK EXPERIENCE

Syoft, Hyderabad *August 2022 - December 2023*
Jr. Software Developer

- Designed and implemented microservices architecture, integrating Redis caching, gRPC communication while developing scalable services like campaign management and push notifications

Cyberia, Thiruvananthapuram *August 2020 - August 2022*
Software Developer

- Developed a real-time WebSocket-based chat application, optimized OTP notification service, and integrated Mailgun for email delivery within Celery tasks, enhancing communication efficiency and reliability in the system.

PROJECTS

EchoBlog **GitHub**

- Designed and implemented a modern blogging platform using **FastAPI** , leveraging **PostgreSQL** for database management. Integrated **Cloudinary** for secure and scalable media storage solutions. Incorporated **Twilio** services for **OTP-based user authentication** and validation to enhance security. The application ensures seamless API communication and efficient user interaction. Focused on scalability, performance, and a robust backend architecture.

WashBot **GitHub**

- Developed a car washing center management system using **Flask** for the **RESTful API and PostgreSQL** for the database. Integrated **role-based access** control for admin, staff, and user roles. Implemented **payment gateways including Stripe, Razorpay, and PayPal for secure transactions**. Authentication was handled via username and password. The platform also supports efficient booking and payment processing, ensuring a seamless user experience

E-commerce Website **GitHub, Video**

- Implemented a full **e-commerce project** with essential features including user authentication with **OTP verification**, product management, order management, and **online payments using PayPal and Razorpay**. Enhanced application performance with detailed reporting formats and Excel exports. Hosted the website on an **Nginx server using Amazon EC2**, ensuring stability and accessibility for users

Zwast **GitHub, Video**

- Developed a waste management website using **Django Rest Framework (DRF) and React** , integrating **React Google Maps** for enhanced functionality. Implemented **JWT Authentication** for secure, role-based access control, ensuring a seamless and secure user experience for customers, drivers, and admins.

MINI PROJECTS

ChatAPP **GitHub, Video, Live**

- This is a real-time chat application built with **Django and PostgreSQL** for data storage. It uses **WebSockets** for seamless, real-time messaging between users, with **JavaScript** handling dynamic updates.

Todo APP **GitHub, Video, Live**

- A To-Do Application using **React** allows users to add, edit, delete, and mark tasks as complete with a dynamic and interactive interface.

Draw **GitHub, Video, Live**

- This project is a Flask-based web application that allows users to upload data and images, with images stored securely in **Cloudinary**. It is **deployed on Vercel**, providing efficient hosting and seamless image management.

EDUCATION

Brototype, Thiruvananthapuram *March 2024 - Present*
Data Science

Jain University *July 2024 - Present*
Master of Computer Applications (MCA - Data Science)

Kerala University *July 2017 - August 2020*
Bachelor of Computer Applications (BCA)