

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 and optimized real-time WebSocket-based OTP notification services and a calendar scheduling system to enhance operational efficiency.

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 <ul style="list-style-type: none">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.	GitHub, Video, Live
Todo APP <ul style="list-style-type: none">A To-Do Application using React allows users to add, edit, delete, and mark tasks as complete with a dynamic and interactive interface.	GitHub, Video, Live
Draw <ul style="list-style-type: none">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.	GitHub, Video, Live

EDUCATION

Brototype, Thiruvananthapuram Data Science	<i>March 2024 - Present</i>
Jain University Master of Computer Applications (MCA - Data Science)	<i>July 2024 - Present</i>
Kerala University Bachelor of Computer Applications (BCA)	<i>July 2017 - August 2020</i>