

# 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
Mathematics	Metrics, Statistics
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

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<b>ChatAPP</b> <ul style="list-style-type: none"><li>This is a real-time chat application built with <b>Django and PostgreSQL</b> for data storage. It uses <b>WebSockets</b> for seamless, real-time messaging between users, with <b>JavaScript</b> handling dynamic updates.</li></ul>	<b>GitHub, Video, Live</b>
<b>Todo APP</b> <ul style="list-style-type: none"><li>A To-Do Application using <b>React</b> allows users to add, edit, delete, and mark tasks as complete with a dynamic and interactive interface.</li></ul>	<b>GitHub, Video, Live</b>
<b>Draw</b> <ul style="list-style-type: none"><li>This project is a Flask-based web application that allows users to upload data and images, with images stored securely in <b>Cloudinary</b>. It is <b>deployed on Vercel</b>, providing efficient hosting and seamless image management.</li></ul>	<b>GitHub, Video, Live</b>

EDUCATION

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