

MD. HARUN OR ROSHED

Software Engineer(Python / Backend)

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PROFESSIONAL SUMMARY

Software Engineer with **1 year of hands-on experience** building scalable **SaaS** applications using **Django** and Django REST Framework. Skilled in designing RESTful APIs, optimizing databases, and handling real-time and background processing systems. Passionate about writing clean, efficient, and maintainable code while solving real-world problems. Strong interest in data processing, IoT integrations, and high-performance backend systems.

TECHNICAL SKILLS

- Programming Languages : **Python**, JavaScript (basic), C++
- Backend: Django, **Django REST Framework**, RESTful API Design
- Server & Deployment: AWS (EC2, S3, RDS), Hostinger, VPS Management and Deploy
- Tools & DevOps: GitHub, Gitlab, **Docker**, Celery, Redis, CI/CD, **Websocket**, Nginix, Unicorn
- Databases: **PostgreSQL**, MySQL, SQLite, Django ORM
- ML & Image Processing: Python data handling, basic ML concepts

EXPERIENCES

Jr. Software Engineer, Softvence It Ltd 05/2025 – Present | Dhaka

- Integrated **real-time chat** system using **WebSockets**, enabling smooth messaging for users.
- Worked on an **AI-powered SaaS chatbot** using the ChatGPT API, storing chats and ensuring accurate, context-aware customer responses.
- Managed long-running logic to **Celery** workers and scheduled jobs to keep the system fast.
- Solved logic-based backend problems requiring structured thinking and debugging
- Designed database schemas and **optimised queries** for performance and reliability
- Designed RESTful APIs used by frontend and mobile applications

Software Engineer Intern, Softvence It Ltd 02/2025 – 04/2025 | Dhaka

- Learned database design, query optimisation, and API integration
- Contributed to a Lottery System project where I implemented role-based user authentication, developed an automated random user selection feature, and assisted in database.
- Gained hands-on experience with AWS services, Docker, **System design**, and server deployment
- Integrated third-party APIs and external services
- Worked with data processing logic while integrating AI-based services (OpenAI APIs)

PROJECTS

AVA AI, AI-powered Chatbot SaaS 05/2025 – 08/2025

- Tech Stack:** Django, DRF, PostgreSQL, Stripe, OpenAI API
- Developed backend APIs for an AI-based chatbot SaaS platform
 - Integrated **Stripe** subscription payments and handled **webhooks**
 - Implemented **JWT-based authentication** and user access control
 - Stored and analyzed chatbot conversations for better responses
 - Designed backend logic to process and analyze large text-based datasets

Food Lab, A Food delivery app 06/2025 – 11/2025

- Tech Stack:** Django, DRF, Docker, PostgreSQL
- Worked as a backend developer on a food delivery application
 - Implemented **multiple user roles and access** permissions
 - Dockerized the backend and deployed it on a **VPS** server
 - Handled the payment system auto-synchronization to the database from Stripe via webhook
 - Built features incrementally while learning best practices for maintainable backend design

The SocialBillbord, AI-based social media dashboard 05/2025 – Present

- Tech Stack:** Django, DRF, Celery, Redis, OpenAI API
- Built backend services for an AI-powered social media analytics platform
 - Integrated social media APIs to fetch trending content automatically
 - Used Celery and Redis for scheduled background tasks
 - Analyzed content performance using AI-generated insights
 - Implemented background jobs and automation logic for processing large datasets

ACHIEVEMENTS

Participated in 2 inter-university hackathons
Departmental Carnival Hackathon, where my project Smart Waste Management in Bangladesh secured 4th place.

Successfully defended thesis titled
“Enhancing Jute Crop Management with Hybrid EfficientNetB7 for Disease Prediction” — led team, implemented and trained multiple deep learning models achieving up to 95.7% accuracy.

EDUCATION

B.Sc. in CSE, Dhaka International University 09/2021 – 10/2025 | Dhaka

LANGUAGE

Bengali: Native | **English:** Professional working proficiency