

Al Jaber Nishad

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Professional summary

I am a skilled Python/Django Backend Engineer with around 3 years of experience in building scalable web applications, optimizing backend performance, and automating workflows. With a strong background in designing RESTful APIs, database management, and deploying secure, high-performance applications, I have contributed to improving system efficiency and reliability. My expertise in integrating third-party services, implementing robust authentication mechanisms, and enhancing DevOps practices ensures seamless software delivery and maintainability.

Technical Skills

Backend Frameworks: Django, Django REST Framework, FastAPI

DevOps Tools: Docker, Docker-Compose, GitHub Actions, CI/CD Pipelines, Bash

Databases: PostgreSQL, Redis

Other Technologies: Celery, RabbitMQ, Crontab, Supervisor, Swagger, Postman

Tools & Libraries: Git, Django Silk, WeasyPrint

Experience/Projects

Bluebay IT Ltd

Software Engineer

May 2023 – Now

Dhaka, Bangladesh

- **Developed an accounting software** for BAIRA, managing over **\$1.5 million annually**. Utilized **Redis** and **Celery** to handle **background tasks**, such as fetching migrant information from external websites.
- Enhanced **data insertion efficiency by 50%** through custom Python scripts, successfully migrating legacy data to new databases. Improved data accessibility and reduced processing times.
- Automated **database backup processes** with **Bash scripts**, ensuring secure and regular backups.
- Optimized **database queries** and Django ORM usage, reducing query execution time by **40%** using query optimization techniques and database indexing to boost performance.
- Designed and developed an **ERP system** with **HR and Payroll modules**, including attendance tracking and payroll management features like payhead-based vouchers and salary payments.
- Implemented **CI/CD pipelines** for multiple projects using **GitHub Actions**, streamlining deployment processes and improving development workflow.
- Developed **SMS service software** with multi-vendor API integration, improving user experience with reselling options. Used **Celery** and **Supervisord** to ensure **100% uptime** for background task execution.
- Designed and developed the **e-commerce platform LUBDOK**, enhancing the online shopping experience for customers.

BracNet Limited

Trainee Software Engineer

February 2022 – July 2022

Dhaka, Bangladesh

- Developed a real-time **dashboard application** for an IoT project, enabling live monitoring of data from **multiple sensors** using Ajax and Chart.js.
- Deployed the application in **VPS with docker** and implemented data storage and reporting features to save and review historical sensor data.

XYHOPPER

Web Developer

August 2022 – February 2022

Dhaka, Bangladesh

- Developed two **LMS websites** for a company that sold **hundreds of courses** per month.
- Both websites were developed using **WordPress** and **WPLMS themes**.
- Optimized a few websites from 20-30% GTMatrix performance to over **80% performance**.

Education

NOAKHALI SCIENCE AND TECHNOLOGY UNIVERSITY
BSc in Software Engineering

Noakhali, Bangladesh
2018-2023

Personal Projects

BAIRA Application

Technologies: Django REST Framework, Celery, Docker, Silk, Swagger, Postman, PostgreSQL

- Integrated JWT token authentication with custom permissions for diverse user roles, enhancing application security and user data privacy.
- Built accounting modules managing receipts, payments, and donations with comprehensive reporting capabilities for financial analysis.
- Contributed to deployment via GitLab CI/CD on VPS, ensuring consistent and automated releases across development environments.

LUBDOK

Technologies: Django REST Framework, Celery, Redis, Silk, Swagger, PostgreSQL

- Optimized e-commerce modules, enhancing order management and reducing response times by 40%.
- Built payroll and attendance tracking modules to streamline HR workflows within the ERP environment, improving overall system efficiency by 30%.

SMS Software

Technologies: Django, Celery, Redis, Swagger, PostgreSQL

- Developed a backend SMS service with server-side pagination, advanced filtering, and lazy loading, efficiently managing large SMS datasets.
- Added custom report generation tools using WeasyPrint and XlsxWriter, enabling PDF and Excel exports based on user-specific filters.

Certifications

DevOps Career Path

Interactive Cares
Issued May 2024

DevOps Pre-Requisite Course

KodeKloud
Issued Sep 2022
Certificate ID: [7F1134960D-7F0B2F23E5-7F05A43AE5](#)

Docker Training Course for the Absolute Beginner

KodeKloud
Issued July 2022
Certificate ID: [7F1134960D-7F0B300F11-7F05A43AE5](#)

Docker Essentials: A Developer Introduction

IBM
Issued Sep 2022
Certificate ID: [4ee961fc111846bc9bdf3779f6225247](#)