

Dev Dusija

Mumbai, India

☎ (+91) 9769334361

✉ hello@devdusija.com

🐙 github.com/devdusija

🌐 linkedin.com/in/devdusija

Summary

Backend Developer passionate about open-source software and system-level programming. Experienced in delivering scalable solutions through ERP customization, API development, and automation. Eager to contribute to open-source projects and deepen understanding of Linux systems from kernel-level to enterprise applications. Committed to building maintainable code that serves both enterprise needs and the broader open-source community.

Core Competencies

- **Backend Engineering:** API optimization, schema design, server management, performance tuning
 - **System Administration:** Linux environments, Bash scripting, Docker containerization
 - **ERP Development:** Custom module development, workflow automation, integration development
 - **Open Source Aspiration:** Contributing to community projects, collaborative development practices
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Technical Skills

- **Expert:** Python, JavaScript, Bash, Git, Linux, PL/SQL
 - **Proficient:** Flask, Docker, REST APIs, Frappe/ERPNext
 - **Familiar:** React, Node.js, AWS, MongoDB, Java, Django, C/C++
 - **Tools & Platforms:** Ubuntu/Linux, LAMPP Stack, Power BI, Linode
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Experience

Mugen System Design L.L.C

Software Developer

Remote

April 2024 – Present

- Led development of 3 custom ERP modules, resulting in 95% reduction in manual processing time
- Engineered high-performance APIs handling 1000+ daily requests, achieving 70% reduction in response time
- Implemented automated bench replication system using Bash
- Developed targeted schema update mechanism that updates specific app schemas without requiring full application updates
- Built custom import tool with indexing and memoization enabling unlimited bulk uploads (Built specifically for a collection based company)
- Created reusable modules and utilities deployed across multiple client systems
- Managed end-to-end client communication, requirements gathering, and delivery
- Technical Stack: Frappe/ERPNext, Python, JavaScript, Docker, Linux, Bash

Software Development Intern

August 2023 – January 2024

- Developed Custom Print Formats and system integrations
- Wrote comprehensive documentation for modules and workflows
- Resolved high-priority client tickets with 80% satisfaction rate
- Technical Stack: Frappe/ERPNext, Python, SQL, Linux

Freelance Projects

Backend Developer / Automation Engineer – Dictionary Tool

Remote

August 2023

- Extracted data using Selenium from a website for offline use in a keyboard/offline dictionary

- Developed a secure admin portal from scratch with modern authentication mechanisms
 - Implemented security protocols and code reviews, reducing vulnerabilities by 80%
 - Technical Stack: PHP Laravel, MySQL, JavaScript
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Projects

College Projects

Full Stack Developer – Seating Arrangement Generator (Prototype)

2023

- Designed and architected a dynamic seating arrangement system for examinations
- Developed core backend logic using Flask and built reusable frontend components in React
- Created a functional prototype showcasing real-time seat mapping and allocation logic

College Projects

Document History - AI-Powered Search System

2023

- Built document processing tool using FAISS for semantic search capabilities
- Integrated with Ollama for AI-generated document summaries and insights
- **Tech:** Python, Flask, React, FAISS, Ollama

ERP Modules

- Developed Custom Expense Entry module
 - Implemented auto-creation of ledger accounts
 - Built reusable components adopted across multiple client installations
 - Developed comprehensive Bash automation suite for Linux server management
 - Focus on reproducible, maintainable automation that reduces human error
 - Developed tool for migrating data, without requiring to dump data into excel and import
 - **Tech:** Frappe/ERPNext, Python, JavaScript, Linux, Bash
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Education & Open Source Engagement

Jai Hind College (Autonomous) Mumbai University
B.Sc Information Technology (CGPA: 3.78/4.00)

Mumbai, India
September 2021 – April 2024
