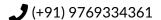
Dev Dusija

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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

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

Experience

Mugen System Design L.L.C

Remote

Software Developer

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 Remote

Backend Developer / Automation Engineer - Dictionary Tool

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

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 - Al-Powered Search System

2023

- Built document processing tool using FAISS for semantic search capabilities
- Integrated with Ollama for Al-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

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