SONU KUMAR

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Professional Summary

Software Engineer with 2+ years of enterprise ERP development experience, serving 4,000+ users across government and private sectors. Expertise in building scalable full-stack solutions with React.js/Next.js frontends and AI-powered automation, achieving 60-75% efficiency improvements through intelligent workflows and modern web technologies.

Technical Skills

Frappe Ecosystem: Frappe Framework, ERPNext, HRMS, Frappe CRM, Frappe Insights
Frontend Technologies: React.js, Next.js, Vue.js, JavaScript, TypeScript, Tailwind CSS, Shadcn/ui, Vite
Backend & APIs: Python, FastAPI, Flask, Django, REST APIs, WebHooks, Frappe API Framework
AI & Automation: LangChain, OpenAI APIs, RAG Architecture, Autogen, n8n, Machine Learning Integration
Databases: MariaDB, PostgreSQL, MongoDB, Redis, Vector Databases (Qdrant), Frappe ORM
Cloud & DevOps: DigitalOcean, Docker, Kubernetes, Nginx, CI/CD, GitHub Actions
Integration APIs: WhatsApp Business, Shopify, Zoho, DocuSign, Unicommerce, Payment Gateways
Tools: Git, VS Code, Cursor, Postman, Frappe Desk, Bench CLI, Docker Compose, SQLAlchemy

Professional Experience

Cyfuture India Pvt Ltd   July 2024 – Present
Software Engineer – Full Stack Development & AI Integration   *Noida, India*

- Architected and deployed enterprise ERP solutions serving **4,000+ users** using **Frappe Framework**, **ERPNext**, **Python**, and **JavaScript**, implementing HRMS, CRM, and financial modules for government PSU client.
- Built comprehensive financial management system with invoice processing, multi-mode payments, GST compliance reporting, and automated reconciliation workflows, reducing manual processing time by **60%** and improving audit.
- Developed advanced payroll system with bulk arrear entry for employee increments and promotions, implementing backdated calculations for domestic and international employees, processing **1,000+ employee** records monthly.
- Created pay fixation and property management modules compliant with **Ind AS 116** standards, implementing asset tracking, depreciation calculations, and automated regulatory reporting for government compliance.
- Built GST aging reports with automated portal integration and approval workflows, streamlining tax compliance processes and reducing manual data entry by **75%** through intelligent transaction categorization.
- Optimized application performance through **MariaDB** query optimization, **Redis** caching, and deployed scalable architecture using **Docker**, **Kubernetes**, and **CI/CD pipelines**, achieving **30% reduction** in query execution time.

Extension Technologies   July 2023 – June 2024
Software Developer   *Delhi, India*

- Developed middleware solution for **ERPNext** and **Zoho** integration, enabling real-time CRM/HRMS metadata delivery to auto-rendered UIs and reducing development effort by **50%**.
- Integrated multiple APIs including **WhatsApp Business**, **Shopify**, and **Unicommerce** for automated lead and order synchronization using event-driven workflows and scheduled tasks.
- Built email application using **React**, **Vite**, and **Shadcn/ui** to resolve Frappe's IMAP/POP3 integration limitations, centralizing email communication within ERP system.
- Implemented secure **DocuSign** OAuth integration for internal approval workflows, streamlining document signing processes across organizational teams.

Key Projects

GenAI Meeting Assistant | *Next.js 15, FastAPI, PostgreSQL, Redis, OpenAI APIs*   May 2025

- Built end-to-end AI meeting platform with **Next.js 15** frontend and **FastAPI** backend, featuring real-time transcription using **OpenAI Whisper** and intelligent summarization via **GPT-4**.
- Designed secure REST APIs with **JWT authentication**, **SQLAlchemy ORM**, and **Alembic** migrations for scalable meeting management, task tracking, and file upload functionality.
- Implemented asynchronous audio processing using **Celery** and **Redis**, with **Slack API** integration for automated post-meeting notifications and task assignments.
- Deployed containerized application using **Docker Compose** with comprehensive test coverage of 85%+ using PyTest framework.

Education

Maharshi Dayanand University   November 2020 – June 2023
Bachelor of Vocation in Software Development   *Haryana, India*

Achievements & Certifications

- **ERP Delivery:** Successfully delivered ERP system to **4000+ government users**, approved by Ministry of Jal Shakti and validated through central-level audits.
- **Certifications:**
    * **Generative AI: The Evolution of Thoughtful Online Search** (LinkedIn, Jul 2025)
    * **What Is Generative AI?** (LinkedIn, Jul 2025)
- **Competitive Programming:**
    * **LeetCode** – Solved **340+ problems**, showcasing strong DSA skills
    * **GeeksforGeeks** – Achieved **Rank 2**, recognized for community contributions
    * **CodeStudio** – **Level 5 Champion** for exceptional algorithmic performance