

SONU KUMAR

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Professional Summary

Software Engineer with 2+ years of experience developing enterprise AI solutions, ERP systems, and full-stack applications. Proven track record of delivering scalable solutions serving 8,000+ users. Strong expertise in Python, JavaScript, cloud technologies, and modern AI frameworks.

Technical Skills

Programming Languages: Python, JavaScript, TypeScript, Java, SQL

Frontend Technologies: React.js, Next.js, Vue.js, Vite, Tailwind CSS, Shadcn/ui

Backend Technologies: FastAPI, Frappe, Node.js, REST APIs

Databases: PostgreSQL, MySQL, MariaDB, MongoDB, Redis

Cloud & DevOps: Docker, Kubernetes, Nginx, CI/CD, Jenkins, GitHub Actions

Enterprise Platforms: ERPNext, Zoho, Shopify API, WhatsApp Business API

Tools: Git, VS Code, Postman, Swagger, Docker Compose, Celery, SQLAlchemy, Apache Superset

Professional Experience

Cyfuture India Pvt Ltd

July 2024 – Present

Software Engineer

Noida, India

- Architect and deploy enterprise ERP solutions serving 8,000+ users using Frappe Framework, ERPNext, Python, and JavaScript, implementing comprehensive **HRMS**, **CRM**, and **financial** modules for government PSU.
- Built advanced payroll and **financial management systems** with **bulk arrear processing**, **GST compliance reporting**, and Ind AS 116 compliant property management, processing 1,000+ employee records monthly.
- Developed an automated **CRM lead capture system** using OpenCV for text extraction and LLMs for intelligent data structuring, while implementing **multi-agent workflow** systems for enterprise automation and document processing.
- Optimized **SQL queries** and **MariaDB** database performance through indexing strategies and query optimization, improving dashboard response times and system scalability for large-scale enterprise applications.
- Contributed to the development of a **RAG-based enterprise knowledge platform** using LangChain, Qdrant vector database, and LLM APIs, architecting modular FastAPI microservices for document processing, embedding generation, and vector indexing with Apache Superset monitoring dashboards.

Extension Technologies

July 2023 – June 2024

Software Developer

Delhi, India

- Developed dynamic 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/order synchronization using event-driven workflows and scheduled tasks.
- Built Gmail-style email application using **React**, **Vite**, and **Shadcn/ui**, resolving Frappe's IMAP/POP3 integration issues to centralize email communication within ERP system.
- Implemented secure **DocuSign** OAuth integration for internal approval workflows, streamlining document signing processes across teams.

Key Projects

Enterprise RAG Search Platform | *LangChain, GPT-4, FastAPI, Qdrant, Apache Superset*

February 2025

- Developed a modular FastAPI backend for document parsing, chunking, and embedding generation leveraging OpenAI APIs.
- Integrated **LangChain** with **GPT-4** to deliver contextually relevant responses from enterprise knowledge bases, improving information retrieval accuracy and user productivity.
- Implemented monitoring dashboards using **Apache Superset** to track token usage, query latency, and system performance metrics across different teams and use cases.

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

Education

Maharshi Dayanand University
Bachelor of Vocation in Software Development

November 2020 – June 2023
Haryana, India

Achievements & Recognition

- * Successfully delivered ERP system to **8,000+ government users**, approved by Ministry of Jal Shakti and validated through central-level audits.
- * **LeetCode Profile** – Solved **440+ problems**, demonstrating strong data structures and algorithms expertise.
- * **GeeksforGeeks** – Achieved **Rank 2** through consistent problem-solving and active community participation.
- * **CodeStudio** – Attained **Level 5 Champion** status for exceptional algorithmic performance and competitive programming skills.