

NARESH KUMAR

BACKEND ENGINEER

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SUMMARY

Backend Engineer building RESTful APIs and enterprise workflow systems in Python (Django, Django REST Framework, FastAPI) on PostgreSQL, Microsoft SQL Server and SAP HANA. Shipped a factory operations platform used by 300+ people and an SAP-integrated approval system used company-wide at head office.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, SQL

Backend: Django, Django REST Framework, FastAPI, RESTful APIs, JWT Authentication

Databases: PostgreSQL, Microsoft SQL Server, SAP HANA, MongoDB, Redis

Cloud & DevOps: AWS, AWS S3, Docker, Linux, Git, GitHub, Vercel

Concepts: Object-Oriented Programming, System Design, Performance Optimization, DevOps Practices

PROFESSIONAL EXPERIENCE

Backend Developer

Jivo Wellness, Delhi, India · Jan 2025 – Present

- Engineered RESTful APIs with Django REST Framework and PostgreSQL for the Jivo App, a React-based factory operations platform used by 300+ people that digitizes plant processes from material receipt through warehousing and production.
- Developed 6 backend modules for the Jivo App (Gate-In, Quality Control, Goods Receipt, Warehouse Management System, Production, Barcode Tracking) modeled the PostgreSQL schema for inventory and production data, and implemented barcode generation and scanning for real-time material tracking.
- Built JSAP, an SAP-integrated multi-stage approval system with customizable templates and condition-based stage logic, adopted at head office for all approval types across [X departments].
- Developed core ERP backend modules (Budget Management, Advance Payment, Bill of Materials) on Microsoft SQL Server and SAP HANA.
- Reduced file access time by over 50% by redesigning internal services with FastAPI, improving system responsiveness.
- Created Windows desktop utilities in Python, including a Ledger Report Generator and SecureSync for secure data handling and local synchronization, used by [X users].

PROJECTS

Search Through Video

FastAPI, AWS S3, Vercel · Mar 2024 · search-through-video.vercel.app

- Developed a web application that searches video content by text query, generating transcripts and locating matches with binary search.
- Built the FastAPI backend with AWS S3 video storage and timestamp-based navigation that starts playback at the exact matched moment; deployed on Vercel.

EDUCATION

Bachelor of Computer Applications (Hons)

Akal University, Talwandi Sabo, Punjab, India · Jan 2022 – Jan 2025

Relevant Coursework: Backend Development, Database Management, Web Development, Data Structures

CERTIFICATIONS

Databases for Developers: Foundation – Introduction to NoSQL Architecture with MongoDB, IIT Kanpur · Apr 2023

Full Stack Web Developer – Summer Training Program, RCPL India · Jun 2023 – Jul 2023

LANGUAGES

English (Proficient), Hindi (Proficient), Punjabi (Native)