Deepak

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 LinkedIn   —   GitHub

Professional Summary

Senior Software Engineer with over 4 years of experience specializing in scalable Backend Architecture and Full-Stack development. Expert in building high-concurrency distributed systems using Python (FastAPI) and Node.js. Proven success in migrating monolithic applications to Microservices, optimizing database performance by 35%, and integrating Generative AI solutions. Strong advocate for Clean Code, automated testing, and mentorship in Agile environments.

Technical Skills

Languages/Frameworks:	Python (FastAPI, Flask, Django), JavaScript/TypeScript, Node.js, SQLAlchemy
Frontend Development:	React.js, Redux Toolkit, Context API, Tailwind CSS, HTML5/CSS3
Cloud & Infrastructure:	AWS (S3, EC2, Boto3), Docker, CI/CD (GitHub Actions), Vercel, Render
Databases & Caching:	MySQL, PostgreSQL, Redis (Caching & Queues), MongoDB
Architecture & Tools:	Microservices, RESTful APIs, WebSockets, JWT/OAuth2, Git, Jira, Postman
Advanced Tech:	Generative AI Integration, OpenAI API, LLM Prompt Engineering, NLP

Experience

Senior Software Engineer
KvonTech Consultancy Services
JUN 3524 – PRESENT
Jaipur, India (On-site)

- **Architected a high-throughput backend** using FastAPI and SQLAlchemy, reducing API response times by **35%** through optimized indexing and multi-layer Redis caching.
- **Engineered a scalable Document Processing Engine** leveraging AWS S3 and Boto3, successfully managing **100k+ concurrent file operations** with 99.9% reliability.
- **Led the Monolith-to-Microservices transition**, decoupling core business logic into independent services, which increased deployment velocity by **48%** and reduced system downtime.
- **Established Engineering Standards** by introducing automated unit testing and rigorous code review cycles, reducing production bug reports by 33%.

Software Engineer
Webcoster-India
JAN 3522 – JAN 3524
Hisar, India (Remote)

- **Developed core Full-Stack modules** using the MERN stack for a data-intensive analytics platform, improving real-time data rendering efficiency by 17%.
- **Revamped Security Protocols** by implementing enterprise-grade JWT authentication and fine-grained Role-Based Access Control (RBAC), securing sensitive client data.
- **Enhanced UX Performance** through React code-splitting and lazy-loading, resulting in a **35% increase in user retention** and improved Lighthouse SEO scores.
- **Bridged Design-to-Code gaps** by translating complex Figma designs into reusable, modular component libraries, accelerating frontend development cycles by 35%.

Key Projects

Enterprise Workflow & Assignment Platform
FastAPI, Node.js, MySQL, Redis, AWS S3, WebSockets

- **Designed a Custom State-Machine Backend** to orchestrate complex multi-role workflows (Client/Writer/Admin), ensuring transactional integrity across order lifecycles.
- **Implemented Real-time Bidirectional Communication** using WebSockets, facilitating instant notifications and live collaboration for 5,000+ active users.
- **Built an Automated Escalation System** that utilized Cron jobs and Redis queues to trigger deadline-based alerts, reducing project delivery delays by 17%.

Hyper-Local Discovery & Ranking Engine
Node.js, React, Redis, MySQL

- **Optimized Search Infrastructure** by implementing a Redis-based caching layer for frequent queries, slashing database load by **50%** during peak traffic.
- **Developed a Proprietary Ranking Algorithm** based on multi-factor engagement metrics (recency, ratings, and click-through rates) to improve business listing relevance.

Education

B.Tech in Computer Science and Engineering   2021 – 2025
BRCM College of Engineering and Technology   *Haryana, India*