

# DEEPAK

SENIOR SOFTWARE ENGINEER

📍 Gurgaon, India · 📞 +91 7027888321 · ✉️ deepak.ydv@myyahoo.com

## SUMMARY

Software Engineering with over four years of experience specializing in backend services and cross-platform development. Expert in building scalable REST APIs using Python and FastAPI, with expertise in SQLAlchemy, MySQL, and Redis. Managed deployments, and mentoring junior developers in a Git-driven, agile environment focused on clean code and robust system design.

## TECHNICAL EXPERTISE

<b>Backend:</b>	Python, FastAPI, SQLAlchemy, MySQL, REST API Design, JWT
<b>Frontend/Mobile:</b>	Next.js, React.js, State Management
<b>Infrastructure:</b>	Redis (Caching, Queues), AWS (S3), WebSockets, CI/CD
<b>Tools:</b>	Git (Branching, PRs, Code Reviews), Docker, Nginx, Vercel, Render

## EXPERIENCE

<b>KvonTech Consultancy Services</b> <i>Senior Software Engineer</i>	<b>Jun 2024 – Present</b> Jaipur, India
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- Design, develop, and maintain high-performance backend services using **Python and FastAPI**, focusing on system design and feature estimation.
- Architected a distributed API gateway with **JWT-based authentication** and **SQLAlchemy** for optimized data modeling and performance.
- Integrated **Redis** for efficient caching and session management, reducing database load and improving response times.
- Guide and mentor junior developers through technical challenges, ensuring clean code practices and high-quality software delivery.
- Manage version control via **Git**, overseeing branching strategies, pull requests, and comprehensive code reviews.

<b>Webcoaster-India</b> <i>Software Engineer</i>	<b>Jan 2022 – Jan 2024</b> Hisar, India (Remote)
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- Developed and maintained cross-platform mobile applications using **Node Python**, ensuring seamless UI/UX across various devices.
- Built and optimized **REST APIs** with secure authorization layers to handle data-intensive enterprise workflows.
- Utilized **MySQL and SQLAlchemy** to design robust data schemas for real-time analytics dashboards.
- Collaborated on deployment strategies and established to automate testing and release cycles.

## PROJECTS

<b>Multi-Tenant Assignment Management System</b> <i>FastAPI, MySQL, Redis, WebSockets, React Native</i>
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- Developed a comprehensive workflow orchestration platform for Writers, BDEs, Admins, and Clients, featuring a robust state-machine backend to track assignment lifecycles.
- Built a React Native mobile application enabling BDEs and Writers to manage tasks, upload deliverables via AWS S3, and receive instant updates on the go.
- Integrated WebSockets for real-time notifications and live status synchronization across the web and mobile interfaces.
- Implemented automated task escalation and priority queuing using Redis, ensuring strict adherence to project deadlines.

<b>Hyper-local Discovery &amp; Ranking Engine (Justdial Modernization)</b> <i>Python, FastAPI, Redis, MySQL</i>
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- Architected a high-performance web platform for local business discovery, featuring advanced search filters and category-based navigation.

- Engineered a proprietary ranking algorithm that sorts listings based on engagement signals, verified ratings, and proximity-based relevance.
- Optimized platform speed by implementing a Redis-backed geographic caching layer, reducing database query latency for high-traffic search terms.
- Designed a responsive, ensuring seamless user interaction and high data integrity.

## EDUCATION

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**BRCM College of Engineering and Technology**  
*Bachelor of Technology in Computer Science and Engineering*

**2021 – 2025**  
Haryana, India