

DEEPAK SINGH

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TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), HTML5, CSS3

Frontend & State: Next.js, React.js, Tailwind CSS, Redux, Bootstrap

Backend & APIs: Django, Django REST Framework (DRF), RESTful APIs, JWT, Session Auth, CORS

Databases & Cloud: PostgreSQL, MySQL, Query Optimization, AWS (EC2), Nginx, Gunicorn, PM2, Vercel

PROFESSIONAL EXPERIENCE

Qtrans Language Solutions Global

Remote

Full Stack Developer

Sep 2024 – Present

- Architected and scaled core infrastructure for enterprise systems including a **Translator Vendor Booking System** and a **Quotation Engine** using **Next.js, Django, and PostgreSQL**.
- Engineered robust, decoupled RESTful APIs via token authentication to support high-concurrency multitenant vendor workflows.
- Developed asynchronous server-side ETL validation data pipelines to parse bulk CSV/Excel records, ensuring data integrity metrics during bulk profile configurations.
- Optimized PostgreSQL lookup speeds by utilizing selective query index structuring and Django ORM optimization mechanisms.

Promax Infosolutions

Ahmedabad, India

Full Stack Developer

Apr 2023 – Jul 2024

- Spearheaded development cycles of responsive, accessible healthcare portals and digital staffing platforms using **React.js, Next.js, Django, and Tailwind CSS**.
- Constructed a reusable UI components ecosystem based on atomic design patterns, significantly lowering development turnarounds across diverse client platforms.
- Implemented explicit authorization workflows via Role-Based Access Control (RBAC) database schemas across internal healthcare user profiles.
- Enhanced client-side render loops by integrating memoization architectures alongside targeted SQL search filters.

APPWRK IT Solutions Pvt. Ltd.

Mohali, India

System Engineer – Level 1

Mar 2022 – Mar 2023

- Engineered a real-time Cloud Monitoring Dashboard utilizing **Django and MySQL** for server performance tracking metrics.
- Programmed automated background revenue tracking and calculation logic to replace manual entry steps for active node infrastructures.
- Refactored legacy application features into clean backend service layers, improving ongoing database maintainability indexes.

PROJECTS

Translator Vendor Booking Platform | *Next.js, Django REST Framework, PostgreSQL*

- Designed a high-concurrency vendor tracking layout that successfully **reduced platform booking latency metrics by 60%** for a global resource network.
- Built bulk onboarding pipelines handling complex validation constraints, **automating 100+ user profiles simultaneously** with 90% data integrity validation.
- Implemented a multi-factor **"Combined Search" algorithm** filtering language pairs and CA tools, **reducing administrative search times by 40%**.
- Integrated automated reporting engines producing real-time PDF/CSV/Excel exports, **saving administrative teams 10 hours per week** of work.

Quotation Management System | *Django, PostgreSQL, Next.js*

- Engineered a financial computation matrix integrating Excel rate configurations to **reduce manual quotation processing times by 80%**.
- Designed multi-factor calculation models (source/target languages, region metrics), achieving **90% transactional accuracy in auto-pricing**.
- Constructed secure RBAC configurations alongside immutable activity logs, **boosting internal system protocol security parameters by 80%**.

Frontline Insourcing | *Next.js, Tailwind CSS*

- Developed a mobile-first, highly responsive UK healthcare landing platform enabling streamlined recovery resource routing operations.
- Optimized frontend bundle loads and responsive utility layouts, significantly improving cross-device UI accessibility scores.

EDUCATION

Swami Vivekanand Institute of Engineering and Technology

Chandigarh, India

Master of Technology (M.Tech) in Computer Science and Engineering

Aug 2022 – June 2026

Swami Vivekanand Institute of Engineering and Technology

Chandigarh, India

Bachelor of Technology (B.Tech) in Computer Science and Engineering

Aug 2018 – May 2022