

GAGAN DEEP SINGH

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PROFESSIONAL SUMMARY

Full Stack Developer with 3+ years of experience delivering scalable web applications and optimizing system performance. Proven track record of implementing 120+ features, resolving 170+ critical bugs, and modernizing legacy systems using modern JavaScript frameworks. Expertise in end-to-end development from concept to deployment with strong focus on performance optimization and user experience.

EXPERIENCE

Freelance

July 2025 – Present

Full Stack Developer

Remote

- Developed a comprehensive fitness training platform connecting trainers, employers, and facilities with **multi-role authentication system** and real-time notifications
- Implemented advanced features including job posting system, booking management, real-time dashboards, Google Maps integration, and automated invoice generation
- Built complete API infrastructure with **RESTful endpoints** for jobs, applications, bookings, venues, and user management with role-based access control
- Harnessed Generative AI tools like Lovable.dev and Cursor.ai for rapid development of high-quality code-base
- **Technologies:** Next.js, React, TypeScript, Supabase, PostgreSQL, Tailwind CSS, shadcn, Google Maps API

Pulse Business Solutions Inc (pulsepro.ai)

September 2024 – June 2025

Full Stack Developer

Noida, India (Hybrid)

- Delivered **120+ new features** including advanced analytics dashboards and data export tools, significantly enhancing product capabilities and driving user engagement
- Resolved over **170 critical bugs** and contributed **900+ commits**, improving platform reliability
- Led **160+ code refactors** to modernize legacy systems, optimizing performance and reducing technical debt
- **Technologies:** TypeScript, ReactJS, Redux, NodeJS, PostgreSQL, Git, Python, Django

Freelance

January 2024 – September 2024

Full Stack Developer

Remote

- Designed and implemented a Single Page Application for a Generative AI consultancy firm, increasing client lead conversion by **30%**
- Architected secure RESTful APIs for a Property Management platform with role-based access control and OTP authentication, achieving a **75% reduction in system errors**
- Engineered a Python script using Large Language Models for multilingual sentiment analysis, processing **100,000+ reviews** with **80% accuracy rate**
- **Technologies:** TypeScript, Bun, ElysiaJS, Drizzle ORM, MySQL, Python, ReactJS, Git

Jellyfish Technologies (Software Development Company)

November 2022 – December 2023

Software Engineer (promoted from Trainee)

Noida, India

- Enhanced core functionalities in Patronum (Google Workspace manager) by streamlining file permissions, impacting over **50,000 user files** across My Drive and Shared Drives
- Implemented approval workflows and role management features, reducing administrative overhead by **40%** for enterprise clients
- Developed mobile device security settings module, protecting **10,000+ corporate devices** across international deployments
- **Technologies:** JavaScript, NodeJS, SailsJS, EJS, jQuery, MongoDB, Redis, Google APIs, Git

PROJECTS

TRAINING SOLUTIONS - FITNESS PLATFORM | In Development | July 2025 – Present

- Built a comprehensive fitness training platform connecting trainers, employers, and facilities with multi-role authentication system using Supabase Auth and PostgreSQL
- Implemented complete job management system with posting, applications, real-time notifications, and automated status tracking using Supabase triggers

- Developed booking system with session scheduling, invoice generation, review management, and Google Maps integration for location services
- Architected role-based dashboards with real-time analytics for Super Admin, Trainer, and Employer user types with Row Level Security policies
- **Technologies:** Next.js, React, TypeScript, Supabase, PostgreSQL, Tailwind CSS, shadcn, Google Maps API

COVID-TEXT-EXTRACTOR | GitHub | March 2020 – May 2020

- Addressed critical need for rapid data processing during COVID-19 crisis by developing automated tool to extract contact information from images and PDFs
- Utilized Computer Vision (OpenCV) and OCR with **92% accuracy rate**, then filtered results with RegEx and scam-checking API to ensure data validity
- Ensured the code is flexible enough to be used in Telegram and Twitter bots
- **Technologies:** Python, OpenCV, Pillow, RegEx, REST APIs

ATYPICAL - STOCK IMAGE PLATFORM | GitHub | January 2021 – April 2021

- Built responsive stock photo platform with integrated social features to connect artists and facilitate community feedback, filling gap in traditional stock photo markets
- Developed full-stack application with REST APIs and EveryPixels integration, supporting image uploads and real-time commenting system
- Implemented advanced search functionality with AI-powered tagging, improving content discovery by **60%**
- **Technologies:** Python, Flask, MongoDB, JavaScript, jQuery, Bootstrap, REST APIs

EDUCATION

Guru Gobind Singh Indraprastha University
Master of Computer Applications (MCA)

New Delhi, India
2021 – 2023

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL, HTML5, CSS3

Frameworks & Libraries: React, Next.js, NodeJS, Redux, SailsJS, Django, Flask, jQuery, EJS, Express.js, shadcn/ui

Databases: PostgreSQL, MySQL, MongoDB, Redis, Supabase

Cloud & Tools: Git, Google APIs, Vercel, Netlify

Development Tools: VS Code, Postman, Chrome DevTools, Figma

AI Development Tools: Cursor AI, Lovable.dev

Specialized: OpenCV, WebSocket, RESTful APIs, OAuth, JWT, Tailwind CSS

ACHIEVEMENTS

Winner, HackTheMountains Hackathon (MLH Sponsored) – Built COVID-19 contact tracing solution, 2022

Runner-Up, Code Combat Hackathon – Developed multiplayer coding challenge platform, 2019