GURPREET SINGH

Software Engineer | Full-Stack Web & Mobile

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SUMMARY

Software engineer with 3+ years of experience building and deploying full-stack web applications for small-business clients, plus a pre-launch React Native social app with real-time messaging. Experienced with React, Next.js, Node.js, REST APIs, WebSockets, and MongoDB/PostgreSQL.

EDUCATION

Queens College, City University of New York — New York, NY

Bachelor of Science in Computer Science — May 2026

Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming, Operating Systems, Database Systems

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C++, SQL, HTML, CSS

Frameworks & Libraries: React, Next.js, React Native, Node.js, Express.js, Tailwind CSS, Socket.IO

Databases: MongoDB, PostgreSQL, Supabase

Cloud & Tools: AWS (EC2, S3), Vercel, Linux, Git, GitHub, Postman

Concepts: REST API Design, WebSockets, Server-Side Rendering, Authentication, Row-Level Security, Responsive Design

EXPERIENCE

Software Engineer — Jun 2024 – Present

Debug Dragons LLC — New York, NY

- Built e-commerce pages with Next.js, React, and Node.js, using server-side rendering so page content arrives in the initial HTML response to support fast first render and search indexing.
- Developed websites for transportation clients with service pages, contact forms, REST API integrations, and geolocation features.
- Worked directly with business owners to turn requirements into page layouts, interaction flows, and API requirements; iterated through client feedback and functional testing before deployment.

Software Developer (Unpaid) — Oct 2024 – Present

Quick Solve Medical Urgent Care — Brooklyn, NY

- Wrote Python scripts to clean and reformat spreadsheet exports and generate recurring administrative reports for clinic staff.
- Maintained software configurations and troubleshot application errors with staff, documenting recurring fixes.

Software Engineer — Jun 2025 – Aug 2025

65 St Wine & Liquor — Freelance Project — Middle Village, NY

- Delivered 65spirits.com in 2 months, owning requirements, UI implementation, backend development, and deployment.
- Built responsive React and Tailwind CSS interfaces for product browsing, category filtering, and a shopping cart, connected to backend product data.
- Developed an Express.js and MongoDB backend with product API routes; integrated ImageKit for product image hosting and delivery.
- Hardened the deployment with Helmet security headers, credentialed CORS, and environment-variable validation.

PROJECTS

Campustry — College Social Platform | *React Native, Node.js, Socket.IO, Supabase, AWS* — Jan 2025 – Present

- Co-built a pre-launch social app for college students with four core features: student verification, campus communities, events, and private messaging.
- Implemented authenticated Socket.IO connections with community and personal rooms, routing group and direct messages only to their intended recipients.
- Built reconnect and presence handling so clients rejoin conversations and refresh online/offline status after connection drops.
- Configured Supabase row-level security (RLS) policies to restrict access to user data.
- Deployed backend services on AWS EC2 in a pre-production environment.