

# Meharjeet Singh

## Contact Info

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## Online Links

- <https://meharjeet.com/>
- <https://github.com/singhmeharjeet>
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## Technical Skills

- |                         |  |
|-------------------------|--|
| • <b>Languages</b>      | Java, Python, C, C++, SQL, JavaScript, HTML, CSS, bash                       |
| • <b>Frameworks/Lib</b> | Next.js, Tailwind, Sanity, Loki, Prometheus, Grafana, Docker, Jest, Selenium |
| • <b>Technologies</b>   | Google Cloud, Amazon Web Services, Continuous Integration, Testing (QA)      |
| • <b>General</b>        | Linux command line, UNIX, Front End, Distributed Systems, Infrastructure     |

## Experience

**Full-Stack Developer** - Maker Brothers World Wide, Vancouver, Canada Apr 2024 - Present

- Built **dynamic, high-performance websites** by using **Next.js, Sanity, GSAP** and **Framer Motion** for animations, improving user engagement by **25%** and client satisfaction ratings by **30%**.
- Optimized **SEO, accessibility, and performance** by using **Lighthouse** and **Vercel Analytics**, achieving a **20% increase in performance scores** and reducing page load times by **1 second on average**.
- Embedded **Sanity Studio** into **Next.js applications** by using **customized CMS integrations**, reducing client content update times by **50%**.
- Automated **testing, building, and deployment workflows** by using **GitHub Actions CI/CD pipelines**, reducing deployment errors by **30%** and increasing release frequency by **50%**.
- Here are some website I have made: [makerbros.co](https://makerbros.co), [campos studio](https://camposstudio.com), [BB photography](https://bbphotography.com)

**Full-Stack Developer** - Kitchen Mall Corporation, Makati, Philippines Dec 2023 - Mar 2024

- Designed and implemented an **end-to-end inventory tracking system** to manage operations across **3 warehouses, multiple vendors, and customers**, boosting efficiency by **45%**.
- Reduced inventory tracking time by **90%** through the integration of **barcode generation and scanning**, leveraging custom APIs and hardware solutions.
- Built **real-time inventory dashboards** using **React and Node.js**, enabling a **35% faster decision-making process** with enhanced data visibility.

## Technical Projects

**Workout Android App** | Kotlin Sept - Oct 2024

- Built features like **real-time exercise logging**, progress tracking, and **Google Maps** for **GPS-based workouts** to enhance user experience.
- Developed **machine learning classifiers** for automated activity detection, **improving accuracy and efficiency** in recognizing user behaviors.
- Achieved **seamless device synchronization** by using a **serverless hosted database**.

**Learn Sphere - Discussion Board** | React, Tailwind, JWT, Supabase, Google Cloud Platform Mar 2024

- Designed a scalable app architecture with 3 microservices behind an API gateway to support future growth.
- Developed custom JWT-based authorization integrated with the API gateway, ensuring secure user access.

**AI Therapist - Happimind** | Next.js, Tailwind, Clerk, Supabase, Open AI | SFU Surge Hackathon Feb 2024

- **Won 1st prize** for presenting a multilingual AI chatbot with mental health expertise, built in **under 24 hours**.
- Streamed real-time responses from **OpenAI** and integrated **Clerk authentication** for secure access.

## Education

**Simon Fraser University** | Burnaby, BC Jan 2020 – Dec 2024

- **Bachelor of Science, Major in Computer Science**
- **Courses:** Algorithms, Database, Networking, Cloud Computing, Distributed Systems, Testing, Requirements