

MEHTAB SINGH

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EXPERIENCE

Full-Stack Developer

Coreo Inc.

Sept 2023 - Dec 2024

Calgary, AB

- Designed the flagship application for a carpooling startup, creating high-fidelity UI/UX designs in Figma and conducted usability testing with 50+ participants.
- Developed dynamic, state-driven user interfaces with Next.js, TypeScript, and Tailwind CSS.
- Integrated Firebase for real-time backend, supporting 500+ concurrent users, enhancing responsiveness.
- Implemented unit and integration testing using Jest across user flows, ensuring reliability of components.
- Deployed globally on Vercel, leveraging its built-in CI/CD capabilities to automatically deploy the app, run tests, and handle performance optimizations for a seamless workflow.
- Collaborated with cross-functional teams on Github, boosting team efficiency that helped secure successful partnerships with 11 corporate clients in Calgary.

Security Officer

GardaWorld — Bankers Hall, Calgary

May 2023 - Sep 2024

Calgary, AB

- Monitored and managed access control systems adhering to security protocols at a high-traffic site.
- Delivered exceptional customer service & employed certified communication & de-escalation techniques to ensure safety and compliance.

SKILLS

Backend: Django, C#.NET, Firebase, Azure, PostgreSQL, MySQL

Frontend: React, Next.js, TypeScript, Javascript, Tailwind CSS

Tools: Azure, Docker, Figma, GitHub, Power BI, LLMs, Linux OS

PROJECTS

Nexstep | *Next.js, TypeScript, Node.js, Three.js*

2025

- Won 1st place at Techstars Startup Weekend with Nexstep – an indoor 3D navigation system for Calgary's +15 skywalk network, outperforming Google Maps' indoor routing efficiency by 55% in real life scenarios.
- Achieved 95% Lighthouse performance via Vercel deployment, implementing serverless Node.js APIs.

Carpool Proximity Tool | *Django, Python, React.Js, Azure*

2024

- Engineered a carpool-matching platform using Django REST and React.js, integrating Azure Maps API for geospatial routing.
- Deployed on Azure App Service with PostgreSQL, optimizing query performance via indexing and caching, supporting 1K+ users with sub-second response times.

Traveless | *Blazor, .NET-MAUI*

2023

- Leveraged OOP principles to architect a Blazor .NET MAUI application with C#, HTML and CSS to streamline flight management and reservations, providing a seamless experience across all devices.

EDUCATION

Southern Alberta Institute of Technology (SAIT)

Diploma in Information Technology - Software Development

Awarded