Muqaddaspreet Singh Bhatia

Montreal, QC — Open to Relocation

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Education

Concordia University — **September 2023 - April 2025**
Master of Applied Computer Science — CGPA: 3.30/4.33 — *Montreal, Quebec*

Guru Nanak Dev University — **August 2022 - May 2023**
Diploma in French — Marks: 331/400 — *Amritsar, India*

Guru Nanak Dev University — **July 2018 - May 2022**
Bachelor of Technology in Computer Science — CGPA: 9.03/10.00 — *Amritsar, India*

Experience

Nagarro software — **January 2022 – July 2023**
Software Engineer — *Gurugram, India*

- **Delivered** features for a supplier-facing web app using **Angular (TypeScript, RxJS)**, building **25+** reusable components, forms, and data tables.
- **Reduced** initial load time by **18%** via lazy-loaded routes, **OnPush** change detection, and **RxJS** stream optimizations; improved bundle hygiene and linting.
- **Integrated** REST APIs for e-invoicing flows; collaborated with backend engineers and wrote **lightweight Node.js/Express** helpers and mocks to unblock frontend work.
- **Implemented** unit tests with **Jasmine/Karma** and reached **80%** coverage on new modules; resolved 40+ UI bugs across sprints; built accessible pagesc(WCAG 2.1) that achieved **90+ Lighthouse** scores for Best Practices.
- **Contributed** to sprint ceremonies and code reviews; assisted two interns with environment setup, component guidelines, and their first tickets.

VMM Education — **July 2021 – December 2021**
Frontend Developer Intern — *Amritsar, India*

- **Delivered** a **React** "Practice Quizzes" module end-to-end, increasing weekly quiz completions by **28%** for **220** students and reducing first-load time to **1.7s**.
- **Applied Redux** where it added clear value (authentication and learner progress), cutting duplicate API calls by **20%** and speeding page-to-page navigation by **30%**.
- **Added** a focused Jest test suite for key components and reducers, lifting coverage from **25% to 85%** and preventing **10+ regressions** before release.

Leadership

- Deployed a real-time job alert system with **24/7 monitoring** using **AWS Lambda** for automation and **S3** for storage, significantly improving application response time, helping **8** secure jobs notifying them within seconds of job availability.
- Mentored and led a team of **10**, organizing university-wide programming competitions that fostered a culture of innovation and problem-solving, benefiting **100+** students.

Projects

FeastFleet | *React.js, Redux, Jest, JavaScript, HTML, Tailwind CSS, Parcel, Babel* | [Live-Site](#) | [GitHub](#)

- Developed a dynamic food ordering web application using **React.js** integrating live RESTful APIs for real-time menu data fetching, **reducing data retrieval time** by **40%**, and **achieving 95% test coverage**.
- Engineered advanced state management using React Hooks, utilized Parcel and Babel to streamline the build process, **reducing page load times by 35%**, and enhanced UX through lazy loading and efficient component rendering.

Reimbursely | *Angular, TypeScript, MySQL, RxJS, C#, .NET MVC Architecture* | [Live-Site](#) | [GitHub](#)

- Engineered a centralized reimbursement portal, reducing manual processing time by **60%** enabling admins to handle **5x** more requests.
- Reduced response time by **35%** and implemented secure authentication with a **100%** validation success rate.

More Projects: Check out additional impactful projects on my portfolio at [muqaddaspreet-singh.netlify.app/](#)

Technical Skills

Languages: HTML, CSS, JavaScript, C++, Node.js, Python, Java, .NET, C#, SQL, TypeScript
Frameworks/Libraries: ReactJS, Angular, Express, Mongoose, Tailwind CSS, Redux, React Router, RESTful APIs, RxJS, Bootstrap, MySQL, Maven, NPM
Tools: Github, Bitbucket, Jira, NPM, CI/CD (Github Actions), Postman, Swagger, Docker, S3, Parcel, Webpack, Babel
Concepts: Version Control, Object Oriented Programming Systems, Data Structures and Algorithms, Software Life Cycle, Design Patterns, SOLID Principles, Performance Optimization, Agile Development, Distributed System Design