

# Deeksha Sareen

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## SUMMARY

A full-stack engineer with 3+ years of experience building scalable web applications and microservices. Proven ability to tackle complex technical challenges and create effective solutions, enhancing broker efficiency by 50% at Questrade Financial Group. Skilled in Agile development methodologies and collaboration with cross-functional teams, including Quality Engineers, Business Analysts, and Product Owners. Expertise in technologies such as React, Javascript, Angular, React, and cloud technologies like AWS and GCP. An artist, sports enthusiast, and avid trader, I bring creativity, disciplined decision-making, and adaptability to my work.

## SKILLS

**Languages & Frameworks:** React, Redux, Java, Node.js, TypeScript, Javascript, HTML/CSS, Angular, NestJS, Backstage

**Databases:** MongoDB (NoSQL), MySQL, MS SQL Server, Neo4j

**Version Control:** Git, Gitlab, GitHub

**Cloud Technologies:** AWS Lambda, S3, DynamoDB, EC2, GCP (Cloud Functions, Firestore)

**Tools:** Datadog, Jira, Confluence, Bitbucket

**Development Practices:** Agile/Scrum, CI/CD, secure coding, performance optimization

## WORK EXPERIENCE

**Questrade Financial Group, Canada**

**Apr 2022 – Nov 2024**

*Full Stack Engineer – QuestInsurance*

- Designed and developed a responsive **InsurTech** web application, enhancing broker efficiency by 50%.
- Leveraged **RxJS observables** and ELF Reactive Store to create highly responsive, interactive UI components and persist data for efficient state management across **micro frontends**.
- Created a data transformation service that simplified mapping input form fields and streamlined workflows, reducing form completion errors by **12%** further reducing load time.
- Designed dynamic forms with **Angular Reactive Forms** and **Angular Material** within a **monorepo architecture**, enabling seamless data handling and improving overall user experience while ensuring **cross-browser compatibility**.
- Utilized **NgRx** for efficient state management across various components, ensuring optimal performance.
- Created scalable **NestJS** microservices handling 5000+ daily requests and integrated them with Backstage service catalogs, enabling centralized resource management.
- Built a Rule Engine to manage policy lifecycle states dynamically, automating error handling and ensuring seamless transitions across various application states.
- Developed APIs for CRUD operations on policies for efficient data management. Performed unit testing with Jest, ensuring 95% code coverage.
- Maintained engineering standards via 2,000+ annual pull request reviews in an **Agile environment**.
- Engineered a flexible policy search API with **MongoDB**, optimizing data retrieval and queries.

**Dalhousie University, Canada**

**Jan 2022 – Apr 2022**

*Research Assistant (Data) – Office of Sustainability*

- Conducted in-depth **data cleaning and analysis** of waste disposal records spanning several years for a campus generating 1,732 metric tons of waste annually.
- Analyzed waste disposal trends and identified opportunities for a **13% monthly waste reduction**, benefiting the university's 24,000 students and faculty. Presented findings to the Office of Sustainability.

## EDUCATION

**Master of Applied Computer Science** | Dalhousie University

**Jan 2021 – Sep 2022**

**Bachelor of Computer Engineering** | National Institute of Technology

**Aug 2015 – May 2019**

## CERTIFICATIONS

- **Google Cloud Digital Leader**
- **Introduction to Generative AI**