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 React, Javascript, Angular 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, Node.js, TypeScript, Javascript, Angular, NestJS, NextJS, HTML, CSS
Databases: MongoDB, MySQL, SQL Server, Neo4j
Version Control: Git, Gitlab
Cloud & DevOps: AWS(Lambda, S3, DynamoDB, EC2), GCP (Cloud Functions, Pub/Sub), CI/CD
Testing/QA: Jest, JUnit, Unit Testing
Tools: Datadog, Docker, Scrum, Atlassian Suite (Jira, Confluence), Postman, Swagger

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.
- Utilized **NgRx** for efficient state management across various components, ensuring optimal performance.
- Created scalable **NestJS** microservices handling 5000+ daily requests.
- 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**

HACKATHON

- **Data Scientist | Financial Foreseer Assistant**: Improved financial insights for end-users by building an agentic system using LangChain, Gemini LLM, and Machine Learning algorithms. Technologies: Python, Gemini LLM, LangChain, Machine Learning, NLP.
- **Portfolio website**: https://deekshasareen-code.github.io/my_portfolio/