Shakeer Nawaz

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TECHNICAL SKILLS

Languages: JavaScript, Python, Java, SQL (Postgres), C/C++, Elixir
Frameworks/Technologies: React, Node.js, Express, HTML, CSS, Bootstrap, jQuery, Quarkus, Maven
Tools: Git, Bash, Unix, Linux, MongoDB, PostgreSQL, REST API, JIRA, Testrail, Oracle SQL, Azure Devops

EDUCATION

Toronto Metropolitan University   Toronto, ON
Bachelor of Science in Computer Science — GPA: 3.55   *Sept. 2021 – December 2026*

EXPERIENCE

Software Developer @ Ontario Government | Toronto, ON   *May 2025 - Present*
- Built and maintained Java (Quarkus/JAX-RS) RESTful endpoints for a payment summary control system, integrating with downstream services via typed REST clients.
- Designed and optimized Java JPA/Hibernate ORM mappings and query layer (DTO projections, fetch strategies), aligning to legacy schemas and reducing endpoint latency and query patterns.
- Implemented codetable/lookup pipeline (diagnostic, fee schedule, CIHI, hospitals/providers/clinics) with caching and deduplication to cut remote lookups and speed up page renders.
- Developed a datadriven Research Rules engine with rules sourced from SQL code tables, enabling policy updates without redeploy and surfacing inline warnings/errors to reduce manual review.

Software QA Analyst @ TheScore | Toronto, ON   *Sept 2023 - April 2024*
- Ensured high-quality production releases for Penn Entertainment Betting apps by identifying and resolving critical issues through comprehensive cross-platform testing, resulting in defect-free launches.
- Collaborated with cross-functional teams, including developers, product managers, and designers, to prioritize and execute testing tasks and test cases
- Authored and executed over 2,000 test cases, enhancing test coverage and ensuring thorough validation of complex functionalities across multiple platforms.
- Designed and implemented detailed regression test plans, increasing test coverage by 40% and ensuring robust application performance in a fast-paced Agile development environment.

PROJECTS

Meal Simple — EWB UOFT Hackathon | *HTML, CSS, Javascript, Bootstrap*
- Achieved **1st** place in the EWB UofT Hackathon by designing *MealSimple,* an innovative solution to addressing food insecurity and empowering students with practical culinary solutions.
- Leveraged Google Maps API to seamlessly connect users with nearby food banks, promoting access to essential resources for students in need.
- Integrated TheMealDB API to provide over 300 personalized meal recommendations based on available ingredients, fostering sustainable cooking habits and reducing food waste.
- Utilized GPT-4 to dynamically generate recipe suggestions tailored to user preferences, budget constraints, and time availability, enhancing user experience and promoting culinary creativity.

Expense Tracker | *React, Express, Node.js, MongoDB, HTML/CSS, Chart.js*
- Built a full-stack expense tracker using MERN stack, allowing users to efficiently log and categorize expenses.
- Implemented interactive financial visualizations with Chart.js, displaying spending trends and patterns.
- Designed and optimized MongoDB schemas to efficiently store and retrieve expense data, improving query performance.
- Developed RESTful APIs with Node.js and Express to handle expense creation, deletion, and categorization dynamically.
- Utilized React's Global Context for efficient state management across the app, ensuring real-time updates and consistent data flow for expense tracking.