Rohithraj Baskaran

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EDUCATION

BSc Computer Science - Toronto Metropolitan University (formerly known as Ryerson)   *Jan2023 - Apri2025*
- **GPA** - 3.80
- **Relevant Course Concepts** - Object Oriented Programming, Data Structures and Algorithms, Linear Algebra, Calculus, Computer Architecture, Discrete Structures.

AWS Cloud Practitioner   *Sep2024 - Present*

RELEVANT EXPERIENCE

Freelance Software Developer - *Taprobane Trading*   *May2024- Aug2024*
- Was a part of 5 software developers, developing a React website for a company which improved workflow by 30% and implemented lazy loading and code splitting, improving load time by 35% across all devices.
- Implement RESTFful APIs that reduced response time by 20% and allowing real-time data synchronization across all platforms.
- Integrated robust user authentication systems for admins using JWT and OAuth ensuring secure access controls and utilized Stripe API for a seamless payment processing along with Redux for global state management for improved scalability and reducing redundancy.

Quality Assurance Intern - *EatMe Global*   *Jun2019 - Sep2019*
- Conducted thorough and detailed manual user testing, carefully analyzing software programs, websites and other items to judge their usability and functionality.
- Generated comprehensive feedback reports, identifying usability problems and proposing actionable solutions to enhance user experiences.
- Worked with multiple business units, ensuring test cases met business needs and ensured smoother release process.

SKILLS

Programming Languages - Python, Java, HTML, CSS, Javascript, SQL, C++, Bash, Haskell, Rust, Elixir
Frontend Frameworks - HTML, CSS, Ejs, JQuery, React.js,
Backend Frameworks - Node.js, Express.js, SpringBoot, JWT and OAuth2.0
Databases - PostgreSQL, MangoDB, Firebase
Other - Linux, Git, GitHub, Figma, Microsoft 360

PROJECTS

JobTracker.io - *React.js, Express.js, PostgreSQL, Node.js*   *Jun2024 - Jul2024*
- **Functionality**: Allows users to keep track of their job applications.
- **Frameworks and tools**: A responsive React application that uses react routing for navigation, Redux for global state management, react hook forms with Zod and Bootstrap. Utilized Axios to fetch data and RESTful APIs to perform CRUD operations. The server is connected to a PostgreSQL database.

Chartpense - *React.js and Chart.js*   *Apr2024 - Jun2024*
- **Functionality:** A finance visualizing application to keep track of your spendings.
- **Frameworks and tools**: Built a React application using Bootstrap using context API for state management. Used chart.js to visualize charts out of the input data, react hook forms with Zod, react routing for navigation.

Snake Game - *Python*   *Jan2023 - Feb2023*
- **Functionality:** developed a game using the Turtle library that dynamically adjusts the difficulty.
- **Frameworks and tools:** employed OOP principles to manage game states and transitions. Created a class responsible for game control, score tracking, and difficulty adjustments.