

Calvin J. Kattathara

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EDUCATION

York University

Bachelor of Computer Science

Sept 2021 – Aug 2025

Toronto, Ontario

SKILLS

Languages: JavaScript, TypeScript, HTML5, CSS3, C#, .NET, Java, SQL, Python,

Frameworks & Libraries: React.js, Spring Boot, Node.js, Next.js, Redux Toolkit, Tailwind CSS, Bootstrap,

Tools & Platforms: Git, Docker, PostgreSQL, Figma, REST APIs, Jest, Postman, CI/CD (GitHub Actions)

EXPERIENCE

MidnaTech

Full-Stack Developer

April 2025 – Present

Toronto, Ontario

- **Backend Data Engineering:** Built and maintained custom **data pipelines** using **JavaScript** to, aggregate, and normalize complex external data into structured **JSON** for backend processing.
- **Frontend UI:** Developed a diverse suite of responsive dashboards using React, Material UI, and Tailwind CSS, leveraging Claude AI to accelerate UI component generation and styling.
- **System Design:** Designed high-fidelity prototypes and user flows in **Figma**, directly translating visual concepts into a scalable database schema and **RESTful API** architecture.
- **Quality Assurance (QA):** Executed comprehensive **Black Box and White Box testing** strategies on both the **Node.js** backend and React frontend to validate API endpoints and ensure data integrity prior to deployment.

Kyndryl

Machine Learning & AI Intern

May 2024 – Jan 2025

Toronto, Ontario

- Developed an Automated E-Form Parser System: Built a full-stack application **using React, Node.js, PostgreSQL (SQL), and Python Flask** to automate data extraction and management for banking and financial forms, significantly improving workflow efficiency by **30%**, automating form parsing and data consolidation.
- Automated Data Extraction: Leveraged **AG Grid** for dynamic and interactive data visualization. Designed the system to automatically extract structured data from uploaded PDFs or wireframe forms, categorizing it into sections for easy access and processing.
- Master Table Integration: Implemented advanced **PostgreSQL queries to merge and analyze data** from multiple forms. Enabled historical data comparison and seamless integration of new information with previously processed forms.
- Implemented CI/CD pipelines and version control best practices using Git and GitHub Actions.

PROJECTS

Marketplace System | *Java, Spring Boot, REST API, SQL, Git, JUnit, AJAX, React, Postman, Dockers*

- Developed a scalable auction platform using **Java Spring Boot (JPA/Hibernate)**, implementing complex business logic like Dutch Auctions and secure **RESTful APIs** backed by **PostgreSQL**.
- Designed a responsive, component-driven frontend using **React.js and Tailwind CSS**, enabling real-time bidding updates and a seamless user experience.
- Ensured backend reliability through **JUnit** testing and **JMeter** performance profiling, while automating deployment using Docker containers for

MediaDL Web Application | *JavaScript, Node.js, React, Tailwind, GIT, Claude, Cursor*

- **Mobile-First Responsive Design:** Developed a modern, visually polished frontend using **React.js, Tailwind CSS**, and **Bootstrap**, ensuring modern layouts and smooth navigation across all mobile and desktop devices.
- **High-Performance Frontend Architecture:** Engineered a highly optimized application using **Lazy Loading** and **batching techniques** to reduce initial load times, while implementing **Gzip compression** and aggressive browser caching to ensure instant content delivery.
- **Backend Reliability & Security:** Architected a robust **Node.js** backend using **PM2** for automatic downtime recovery and **daily process resets** to eliminate zombie processes. Secured external **API integrations** by masking sensitive keys and implemented **Redis** rate limiting to prevent abuse.