Stefewn Johnson

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EDUCATION

York University, Lassonde School of Engineering North York, Canada   Sep 2022 - May 2026 (Expected)
Spec. Hons. Bachelor of Science, Computer Science
Relevant Courses: Advanced Data Structures, Advanced OOP, Advanced Software Engineering, Software Design, Data Mining (AI/ML), Big Data Systems, Building E-Commerce Systems, Mobile User Interface, Operating Systems, Computer Security

WORK EXPERIENCE

TTC |Programmer/Analyst Co-op   May 2025 - Aug 2025 | *Toronto, Canada*
- Built a maintenance system and database in Microsoft Access, enabling admin users to issue maintenance notices
- Rebuilt TTC's old Microsoft Access forms and reports using HTML, CSS, and JavaScript for better functionality and UI
- Developed an employee database in Microsoft Access to streamline the process of updating TTC employee information, using SQL and VBA to reduce the task to a two-button operation
- Engineered a calendar application using HTML, CSS, and JavaScript, displaying historical and current train service data for each day, peak, and train line for TTC staff

PROJECTS

AI News Aggregator - End-to-End Generative AI System (Code Link)   Dec 2025 - Jan 2026
- Built an end-to-end GenAI pipeline that aggregates AI news from YouTube and RSS feeds, processes content with LLM-powered summarization, relevance ranking, and personalized digest generation
- Designed a modular backend architecture with scrapers, processing services, and agents, persisting data in PostgreSQL and orchestrating daily production runs
- Deployed the containerized system using Docker with scheduled execution on Render in a production environment

Kuik - Full-Stack E-Commerce Platform (Code Link)   Sep 2025 - Dec 2025
- Collaboratively built and deployed a Spring Boot backend using MVC architecture, exposing RESTful APIs with transactional business logic; Dockerized and deployed on Render
- Designed a normalized PostgreSQL schema with core entities, enum-based order states, and stock-safe checkout logic, ensuring data integrity
- Developed a React frontend with Redux state management, protected routes, and JWT-based API integration for secure end-to-end communication

Sharelyst - Full-Stack Mobile App (Code Link)   Sep 2025 - Nov 2025
- Collaboratively built a React Native (Expo) frontend with intuitive UI and seamless user interaction
- Built a secure Node.js/Express backend with SQLite, JWT authentication, validation middleware, and RESTful routes for users, groups, and transactions
- Deployed the full stack on Render, ensuring production-ready performance and environment consistency

ACHIEVEMENTS

Edify Learning - UNHack (Website Link)
- Ranked Top 8 teams and won the People's Choice Award among 250 teams
- Contributed to the team-based development of a comprehensive educational initiative aimed at providing quality education to learners of all abilities within the education system

University ICCP - Regional Coding Competition
- Selected first as part of a team at York University; competed in Windsor against other universities

SKILLS

Languages: Java, Python, JavaScript, TypeScript, C/C++, SQL, Bash, HTML, CSS
Frameworks & Libraries: React.js, React Native, Next.js, Node.js, Express.js, Spring Boot, OpenCV
Databases: PostgreSQL, MySQL, SQLite, MongoDB, Microsoft Access
Cloud & DevOps: Docker, Render
Tools: Git, GitHub, Postman, Visual Studio Code, Android Studio, Figma, Colab
Platforms: Linux (Ubuntu), Android, Jupyter Notebook