





NICK RICHARDSON

Developer

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SUMMARY

Developer enrolled in IT Programming at NSCC with a passion for problem solving and design. Specializes in full-stack development, with experience in React, Spring, and other web technologies.

SKILLS

Languages: Java, JavaScript, C#, SQL, HTML, CSS.

Technologies: React, Spring, Node, Postgres, Docker, Git.

EDUCATION

9/2023 - 6/2025 **IT Programming Diploma** **Nova Scotia Community College**
Two-year program focused on software development and application design. Covered object-oriented programming (Java, C#, C++), web development (Spring, HTML, CSS, JavaScript), database management (SQL), and project management methodologies.

PROJECTS

- 1/2025 - 4/2025 **Atlantic Emissions Map** / **React, Spring, PostgreSQL, Docker, Nginx, Leaflet, Chart.JS**
- Created a dynamic map to display emissions data from large industrial facilities.
 - Implemented an interactive filter system to narrow down emissions data.
 - Collaborated with a team on both front-end and back-end development.
 - Integrated a more efficient marker clustering algorithm, reducing load times by over 50%.
- 2/2025 - 2/2025 **FundMate** / **React, Spring, PostgreSQL, Docker, Nginx, Chart.JS, Bootstrap, JWT**
- Built a full-stack financial management application.
 - Implemented functionality for scheduling recurring transactions.
 - Enabled users to manage budgets and track financial activity.
 - Optimized backend performance by reducing the number of API calls, resulting in improved response times and reduced load on the server.
- 3/2025 - 3/2025 **Bloom Cart** / **React, Spring, PostgreSQL, Docker, Nginx, JWT, Bootstrap**
- Developed a flower shop web store with JWT-based authentication and role-based access control.
 - Created a RESTful API for managing products, orders, and user interactions, with secure access per role.
 - Enabled real-time order processing and delivery management for agents and admins.
- 11/2024 - 12/2024 **Fitness Club Management System** / **Java, Spring, MySQL, Thymeleaf, Bootstrap**
- Implemented user management with full CRUD operations.
 - Developed schedule features for editing, viewing, and marking attendance.
 - Integrated role-based authentication and authorization for secure access control.
- 1/2025 - 2/2025 **Face Builder** / **C#, .NET, WPF, SQL**
- Created a WPF-based application for dynamically building faces by selecting different features.
 - Implemented image loading, feature navigation, and randomization.
 - Added character detail management with a view model and database integration.
- 11/2024 - 11/2024 **Meteor Catch** / **Java, Android Studio**
- Developed an Android game where players catch falling meteors using device tilt controls.
 - Integrated a scoring system with bonus points for catching coins.
 - Created a game summary screen displaying scores and personal records.
- 1/2024 - 4/2025 **Top-Down Mini RPG** / **Godot, GDScript**
- Developed core gameplay features including combat, leveling, and quest systems.
 - Implemented player movement and enemy AI using a state machine.
 - Created modular systems for inventory, loot, and saving/loading game data.

EXPERIENCE

2019 - 2023 **Retail Associate** **The Vaper's Attic inc.**

- Managed opening and closing routines, including sales verification, and securing of proceeds.
- Introduced a new product model, increasing product margins while reducing costs for customers.
- Conducted regular audits, reporting any discrepancies to the owner.
- Oversaw the receipt, verification, and storage of incoming shipments.
- Provided customer service, addressed inquiries, and resolved complaints promptly.
- Processed transactions accurately, handling both cash and card payments.