Michael Goodie

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[linkedin.com/in/michael-goodie](https://www.linkedin.com/in/michael-goodie/) | [github.com/gidsola](https://github.com/gidsola) | [goodsie.ca](https://goodsie.ca/)

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Backend Developer | Node.js • Docker • Real-Time Systems

Results-driven backend developer specializing in Node.js, and event-driven architectures. Adept at building scalable APIs, automated deployment systems, and real-time applications with a focus on performance, security, and maintainability.

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TECHNICAL SKILLS

Backend: Node.js, WebSockets, REST APIs, Python (FastAPI)

DevOps: Docker, Kubernetes (learning), CI/CD, Infrastructure as Code, Bash/Shell

Databases: MongoDB, MySQL

Frontend: React, Next.js, TypeScript, Tailwind CSS

Tools: Git/GitHub, GitHub Actions, TLS/SSL

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PROJECTS

OnSocket – No-Code Discord AI bot deployment - (private)

* Built a WebSocket-based Discord gateway with heartbeat checks, session resumption, and no-code bot deployment via Docker
* Implemented jittered heartbeats to optimize network traffic and auto-reconnection for fault tolerance
* Designed for scalability, handling multiple concurrent connections with low latency

Container Manager – Docker Automation - github.com/gidsola/Docker-Container-Manager

* Created a system to dynamically deploy Discord bots in isolated Docker containers
* Automated Dockerfile generation, environment setup, and log streaming to database
* Reduced manual deployment time from hours to minutes using Infrastructure as Code

MicroService – Secure Next.js Server - github.com/gidsola/MicroService

* Developed custom HTTP/HTTPS server for Next.js with TLS 1.3 encryption and security headers
* Automatically switches between HTTP (dev) and HTTPS (prod) with proper certificate management
* Implemented event-driven architecture for efficient request handling

Portfolio Backend(goodsie.ca) – MongoDB Data Layer - github.com/gidsola/MongoConnect

* Built modular MongoDB client for static site generation with schema validation
* Optimized data aggregation from multiple collections to reduce page load times
* Integrated with Next.js for seamless frontend-backend communication

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WORK EXPERIENCE

Software Engineering Student

Centennial College | 2024–Present

* Developing projects in Node.js, Python, and C# with focus on backend systems and databases
* Coursework includes Data Structures, Algorithms, Web Development, and Database Design

Custom Window Manufacturer

Fersina Windows | 2020–2024

* Collaborated with cross-functional teams to meet tight deadlines in fast-paced environment
* Developed problem-solving skills applicable to backend system design and automation

CNC Operator/Programmer

Laicore Fixtures | 2010–2013

* Programmed CNC machines, demonstrating logical problem-solving and precision
* Debugged hardware/software failures in real-time, developing skills transferable to backend error handling
* Maintained and improved manufacturing processes, analogous to system optimization in software

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EDUCATION

Software Engineering Technology

Centennial College | 2024–Present

Relevant coursework: Data Structures, Algorithms, Web Development, Databases

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KEY STRENGTHS

• Backend Development: Scalable APIs, WebSocket servers, and Docker automation

• DevOps & Automation: CI/CD pipelines, Infrastructure as Code, and containerization

• Full-Stack JavaScript: Next.js, React, and Node.js for end-to-end solutions

• Problem-Solving: Methodical debugging of complex systems

• Mentorship: Helping teams adopt best practices and improve code quality