

# Matthew Levere

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## Experience

### Software Engineer Intern, OEConnection – Fairlawn, OH

Jan 2025– April 2025

- Integrated Azure Applications Insights across React frontend and ASP .NET Core backend, capturing 50+ custom telemetry events per session and improving analytics of each client for the analysts.
- Developed a reusable, dynamic React modal component for user data entry, seamlessly interfacing with an ASP.NET Core API and persisting to SQL Server, improving data accuracy.
- Designed and executed Behaviour-Driven Development (BDD) tests with Playwright unit tests with NUnit, reinforcing reliability through the CI/CD pipeline.
- Automated infrastructure provisioning with Terraform IaC modules, replicating Azure environments, ensuring repeatable and scalable deployments.

### IT Support Specialist, Buckland– St Thomas, ON

May 2024– Dec 2024

- Provided Level 1 support for 600+ end users, resolving an average 30+ tickets weekly
- Administered Windows Server environments and configures Active Directory/Azure AD accounts, streamlining user provisioning and single sign-on processes.
- Executed SQL Server queries to troubleshoot data-related issues, cutting mean ticket resolution time

### IT Support Specialist, IDS – London, ON

Jan 2023 – Apr 2023

- Authored PowerShell scripts automating 15+ routine maintenance tasks (user setup, backups), saving over 10 hours of manual work per week.
- Installed and configured on-site security cameras and network video recorders (NVRs), bolstering physical security protocols

## Projects

### Web OS Emulator

<https://levereos.vercel.app>

- A virtual operating environments featuring a JSON-driven filesystem integrated apps (CMD, File Explorer, collaborative notepad and paint)
- React, Tailwind, Node.js/Express, Socket.IO , and Redis

### LeetCode Problem Visualizer

<https://dsa-visualizer-livid-eta.vercel.app>

- Showcase the leetcode problems I have solved (Project is ongoing as I complete more leetcode problems)
- Next.js/TypeScript, DaisyUI, Redis, SQLite

### Multiplayer Chess

<https://multi-chess-client.onrender.com>

- React, Node.js/Express, MySQL, Socket.IO

### Social Networking Platform

<https://matt-socialnetworking-frontend.onrender.com>

### Sorting Algorithm Visualizer

<https://sorting-algorithm.onrender.com>

## Skills

- **Languages:** JavaScript (ES6+), TypeScript, C#, PowerShell, SQL
- **Frameworks & Libraries:** React, Next.js, ASP .NET Core, Node.js/Express, TailwindCSS, DaisyUI
- **Databases & Caching:** Microsoft SQL Server, MySQL, MongoDB, Redis
- **DevOps & Cloud:** Jira, Azure DevOps (Pipelines, Boards), Terraform, Git/Github, CI/CD
- **Testing & QA:** Playwright (BDD), NUnit (TDD), Jest
- **Tools & Methodologies:** Docker, Scrum/Agile, RESTful APIs, WebSockets (Socket.IO)

## Education

### Fanshawe – Computer Programming and Analysis

December, 2024

### Fanshawe – Fitness and Health Promotion

April, 2020