

# Alexander Dulemba

Detroit, MI

olekdulemba@gmail.com

## WORK EXPERIENCE

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### Enterprise Software Developer

*CSE Software Inc.*

Nov. 2023 – April 2025

*Peoria, IL (remote)*

- Was the primary full-stack developer performing maintenance, unit testing, UI changes (custom SCSS and Telerik Blazor UI library), and building custom NSIS desktop installers for a .NET 6 Blazor-Server application running through ElectronNET
- Developed custom in-house tooling to assist with software updates and back-end EF migrations for both SQLite and SQL Server
- Collaborated with project managers and technical architects to design, develop, and integrate new customer-requested features into enterprise software managing heavy-equipment simulator data

### Software Developer

*Hillsdale College*

Oct. 2022 – Nov. 2023

*Hillsdale, MI*

- Partook in designing and building an Azure K8S microservice architecture for an internal directory/social media app
- Built various microservices using Docker containers running .NET 7 minimal APIs
- Configured microservices to connect to Azure Redis Cache Service and MongoDB Atlas database
- Designed front-end applications and templates using React and Typescript
- Developed software in an Agile environment using Azure Devops, Git, VS Code and Visual Studio 2022

### Software Developer

*Iris Technology Inc.*

May 2022 – July 2022

*Grand Rapids, MI*

- Developed lens distortion correction algorithms and implemented them in Python
- Created both desktop and local-network web interfaces using Electron and Javascript to present output from proprietary AI object-detection software

### Software Developer

*Hillsdale College*

May 2021 – April 2022

*Hillsdale, MI*

- Wrote C# unit tests for database, domain, and presentation layers of a monolith .NET web app
- Developed ASP.NET MVC web pages that interacted with an Azure-hosted MS-SQL database
- Wrote SQL unit tests for Microsoft T-SQL database using SSMS

## EDUCATION

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### Florida Institute of Technology

*Computer Information Systems, M.S.*

Melbourne, FL

*May 2024*

- GPA: 3.85
- Coursework: software development with Java and C, database integration, project management, computer hardware and networking

### Hillsdale College

*Physics and Applied Mathematics, B.S.*

Hillsdale, MI

*May 2022*

- GPA: 3.6
- Honors: Cum Laude
- Coursework: electronics, numerical analysis, linear algebra, artificial intelligence models

## CERTIFICATIONS

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### Testout Network Pro Certified

Issued August 2020

- Certification ID: 6-2C6-27QKF

## TECHNICAL SKILLS

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**Languages:** C#, HTML/SCSS/CSS, SQL, Javascript/Typescript, Python, Java

**Frameworks:** .NET/Core, Blazor, ASP.NET MVC, React

**Developer Tools:** Figma, Git, EF Core, NSIS, Chrome Developer Tools, Microsoft Azure Platform, Visual Studio, XUnit, Moq, JustMock, Docker

## PROFESSIONAL PUBLICATIONS

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**Dulemba, Alexander**, Dolch, T., Andrews, P., Cole, B., Creighton, T., Dartez, L. P., Jenet, F. A., Niedbalski, S., Ramette, C., Smith, S.. 2020. *First Light for Station V of the Low-Frequency All Sky Monitor Radio Telescope*. IEEE Xplore.

## REFERENCES UPON REQUEST

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