

Maja Kozlowska

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EDUCATION

Michigan Technological University, Houghton, Michigan
Bachelor of Science in Computer Engineering

Expected April 2026

SKILLS

C#, Java, C, REST API, MATLAB, MySQL, Html, Css, Verilog, Docker, Kubernetes

PROFESSIONAL EXPERIENCE

C# Developer Intern, Xopero Software, Poland

June – Aug 2024

- Contributed to the development and maintenance of a software solution utilized by over 1500 customers worldwide.
- Managed and optimized **SQLite** databases for application efficiency.
- Worked extensively with various **Git APIs**, including **Bitbucket**, **GitLab**, **Azure DevOps**, **GitHub**, and **Jira**, for version control and project management.
- Collaborated closely with the frontend team to ensure seamless integration and alignment between backend and frontend components.

PROJECT EXPERIENCE

SWIFT Code API | Personal

March 2025

Project: A Spring Boot application that parses banking SWIFT codes from spreadsheets into a database and exposes the data through a RESTful API.

- Developed a data processing pipeline using **Java Spring Boot** to parse and import international banking SWIFT codes from Excel files into a **MySQL** database.
- Engineered a RESTful API with **Spring Web** that implements four endpoints for SWIFT code management, including advanced queries by country code and relationship-aware data structures.
- Implemented comprehensive testing and containerization with **JUnit** for integration testing and **Docker** for deployment.

Git Backup App | Personal

June 2024

Project: An application that automates and secures backup and restoration of GitHub repository issues, ensuring data integrity and security throughout the process.

- Developed a **C#** application to automate the backup and restoration of GitHub repository issues, leveraging the **GitHub API** via **Octokit**.
- Implemented data encryption using the **AES** encryption algorithm to securely store and encrypt repository issue data; serialized and deserialized issue data using **Newtonsoft.Json**.

Personal Finance Manager | Personal

August 2024

Project: Personal Finance Management App in **C#** includes calculating **total income**, **total expenses**, and **net balance** dynamically.

- Developed a web-based personal finance management app using **C#**, **ASP.NET Core**, and **Razor Pages** for tracking and categorizing income and expenses.
- Integrated **Kubernetes** for container orchestration, utilizing **Docker** to create and deploy the application as a containerized service.

LEADERSHIP & INVOLVEMENT

Women's Basketball Team | Student Athlete

Aug 2022 –Present

- Collaborated effectively within a team, contributing to shared objectives.
- Managed demanding schedules, balancing training, competition, and academics.
- Demonstrated resilience and persistence in the face of setbacks and challenges.