

# Colin Bjorne

[bjornecolin@gmail.com](mailto:bjornecolin@gmail.com) | (906) 204-5929 | [Website](#) | [LinkedIn](#) | [Github](#)

## WORK EXPERIENCE

---

### Sentry Insurance

April 2024-Present

#### Software Developer

- Worked on a team building a gateway data hub with .NET 8 and MSSQL, sourcing data from over 20 systems, for integration with a vendor product to replace a legacy system, increasing data processing speed 1800%.
- Assisted in architecting eventing, data auditing and syncing, and internal and vendor API and FTP integration to process real-time updates and deferred syncing of data.
- Used Entity Framework to optimize SQL queries from legacy system resulting in enhanced queries for complex nested data sets.
- Utilized AWS EC2 instances and S3 buckets for containerized batch processing and web application hosting.

### United Parcel Service

September 2023-April 2024

#### IT Technician

- Provide internal technical support to 6 buildings, along with external support for customers utilizing UPS Software.
- Support network infrastructure, and systems, as well as external customer databases and applications.
- Install, configure, and troubleshoot PC's, servers, printers, scanners, VoIP and POTS phone systems.

## PROJECTS

---

### Fitness Tracking Application

Go, ReactTS, Postgres

- Developed a fitness tracking web application utilizing Golang for backend services and PostgreSQL for efficient data management and storage.
- Implemented features such as workout logging, routine planning, and progress tracking, integrating a scalable database and ensuring a seamless user experience.
- Built a dynamic and interactive frontend with ReactTS, enabling users to engage with the application in a responsive and intuitive way.

### ExpressJS Project Management Web App

NodeJS, ReactJS, MongoDB

- Built full stack application with Express, MongoDB, React, and JWT basic auth to manage users and track tasks.
- Using Node.js Express, handled API calls with express routes and controllers, stored data using MongoDB.
- Functional React components and ChartJS displayed projects, tasks, time tracked and project velocity.

### Language Interpreter

SmallTalk

- Designed and developed a programming language interpreter and compiler in Smalltalk, generating optimized C++ code for execution.
- Engineered the interpreter to construct parse trees, ensuring proper variable and function scoping in accordance with Ohm grammar rules.
- Implemented robust language features, including variable declarations, functions, loops, exception handling, and user-defined structs.

## EDUCATION

---

### Northern Michigan University

Graduated, December 2023

Bachelor of Science, Computer Science

## TECHNICAL SKILLS

---

- **Languages:** C#, GoLang, JavaScript, TypeScript, Java, Python, HTML/CSS, C++
- **Frameworks/Libraries:** .NET, Vue, React, Django, Spring, Express
- **Databases:** MSSQL, MongoDB, PostgreSQL