






Hi 🖐️  
I'm  
Philip

## A passionate full stack developer

Experienced and seasoned software developer with three years of hands-on experience in full-stack development. Known for delivering robust, scalable solutions that meet and exceed client expectations. Proficient in a wide range of technologies, with expertise in C#, ASP.NET, and Blazor. Strong problem-solving skills coupled with a deep understanding of



				
Expert	Expert	Novice	Proficient	Proficient

► ⚡ Fun facts

software architecture and design principles. Committed to staying up-to-date with industry trends and continuously enhancing skills to deliver cutting-edge solutions.

- [Skills & Qualifications](#)
- [Education](#)
- [Work Experience](#)
- [Projects](#)

Profile views 229

### Most Used Languages



JavaScript 28.26%

C 14.85%

### Doorfail's GitHub Stats

☆ Total Stars Earned: 7



## Skills

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- **API Development:** Proficient in designing and implementing RESTful APIs with CRUD endpoints. Novice understanding of OData for advanced querying capabilities.
- **Entity Framework (EF) and Entity Data Model (EDM):**
  - Advanced understanding of Entity Framework and EDM for managing data models.
  - Familiar with LINQ to SQL limitations.
- **Unit Testing:**
  - Utilize Autofixture and Mock for writing XUnit tests, automating and simplifying the testing process.
- **Dependency Injection (DI):**
  - Expertise in Dependency Injection design pattern for achieving loose coupling and improving code maintainability.
- **Logging:**
  - Familiar with Microsoft ILogger for built-in logging in .NET Core and [ASP.NET](#) Core applications.
  - Experienced with NLog for additional logging features and flexibility.
- **Keeping up to date with technology:** Stay informed about the latest advancements and updates in C# and related technologies.

## Education

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### Associates in applied science

Fox Valley Technical College (April 2020)

- Completed Agile training in a small team environment.
- Developed websites using [ASP.NET](#) for frontend and SQL databases for data storage.







- Proficient in C# 7.1 for database entry updates and RESTful API for UI-backend communication.
  - **CharityConnections** (2020 Fall)
    - [ASP.NET](#) website connecting charities with volunteers. Separate account types of charities & volunteers. Volunteers would be able to follow charities, show interest in charity events, like charity events. Charities could ask for volunteers matching specific criteria to do a simple job for events. The goal of the project was be introduced adgile sprints with a team to produce a website that used many-to-many relationships.
      - Utilized EntityFramework and Azure DB.
      - My first team (of 3) project.
      - Adgile

## Work Experience

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- **The Retirement Advantage**

*Software Developer* (June 2021 - Present)




-   Spearheaded the development of automated processes and systems to streamline business operations.
-  Designed and implemented solutions for bulk email generation, SSRS report automation, and task-triggered file generation and upload.
-  Ensured seamless synchronization of local databases with third-party APIs to maintain data integrity and accuracy.
-   Enhanced core systems with robust logging and reporting functionalities, improving system monitoring and troubleshooting capabilities.

## Projects



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### Professional Projects

- **SupplyDrop** (2021 Winter)

- Java project for a Minecraft server.
  - Dropped loot randomly on the surface for players to collect.
- **Collection Letters** (2022 Winter)
  - [ASP.NET](#) project for sending bulk emails for late invoices.
  - Implemented HTML editor and advanced filtering functionality.
- **DBAA Emailer**  (2023 Spring)
  - C# project for automated reoccurring email notifications.
  - Managed project states and handled task updates.
- **General Use Task Completer**  (2024 Spring)
- **Libraries:** NLog, XUnit, TraDataServices.Common
- **Description:** Solution for completing tasks with various requirements. Standardized process for efficiency.
- **Reason for Stopping:** Ongoing development and maintenance.
- **Receipt Bot Emailer**  (2024 Spring)
  - Developed a Discord bot for generating email receipts using DisCatSharp paged modals.
  - Implemented multi-language support and custom Discord logging.
  - Managed user roles, integrated containerization, and navigated client expectations.

## School Projects

- **Chess Game**  (2015)
  - Developed in Visual Basic during high school.
  - Basic chess implementation with move validation.
- **Boss Game**  (2013)
  - Created using Code Blocks in middle school.
  - Android app where players control a ball to defeat a boss.
- **Snake Game** <Construct 2> (2014)

- Construct 2 project from middle school.
- Classic snake game with advanced mechanics.

## Personal Projects

- **External Game Viewer** (2017)
  - Utilized OpenCV and C++ to extract game info in real-time.
  - Integrated keyboard input for user interaction.
- **AI Screen Reading** (2017)
  - AI project in C++ and C#, focusing on neural networks.
  - Explored advanced concepts like virtual classes and template classes.
- **ScrambleCraft** (2020)
  - Java project for Minecraft with dynamic item recipes.
  - Achieved 30,000+ downloads and generated revenue.

## Contributions

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- **OpenMiNet**
  - Contributed to a pure C# Minecraft implementation.
  - Added GUI elements and improved usability.

Support:

