

# Lazir Pascual

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## SKILLS

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- Develop web applications in **JavaScript**, HTML5, CSS, **Node.js**, Express, PHP, ASP.NET
- Experience in modern JavaScript web frameworks and libraries using **React** and **Material-UI**
- Design and develop relational databases using **MySQL/PostgreSQL** and non-relational databases with MongoDB
- Construct and deploy **REST API** endpoints in Node.js using Express backend framework
- Proficient with using **Git** as a version control system in various personal/group projects.
- Incorporate principles of software development using **Agile Methodology** and **Test-Driven Development**
- Knowledge in Windows programming (.NET framework, WPF, and Azure) as well as Linux
- Apply C, C++, C#, JavaScript, and ARM assembly programming for a variety of development projects

## PROGRAMMING PROJECTS

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### Chat Vault [Demo](#) [GitHub](#)

*React, Node.js, Express, MongoDB, Socket.IO, Material-UI*

- Deployed a web application for a social media website which includes a Realtime Chat feature where users can register/login to create and update their profile and follow/unfollow other users. Additional features include the ability to create, update, and delete posts with its own like/comment system and a search page to look for posts or other user profiles.
- Constructed the frontend with **React** and **Material-UI**, supporting it with a backend built with **Node.js**, **Express**, **MongoDB**, and **Socket.IO**. User authentication is implemented through JSON Web Token, which also includes unit-tested code using **Jest** and **React-Testing-Library**.

### Cloud Computers [Demo](#) [GitHub](#)

*React, Node.js, Express, PostgreSQL, Material-UI*

- Developed the frontend and backend for an e-commerce website that allows users to view and purchase computer parts. Features include user authentication (login & registration), adding, removing, and updating products from a shopping cart, creating ratings/reviews for each product, and filtering/searching for products in the shop.

### Transportation Management System [GitHub](#)

*C#, WPF, MySQL*

- Worked with 3 other students to develop a working prototype for an application that effectively manages the transportation of goods across Ontario, via truck/train. Companies will be able to track the purchasing, scheduling, monitoring, and billing of their orders.
- Creating using C# and WPF with the data stored in a MySQL database. **Agile Methodology**, **Test-Driven-Development** and the use of **Git** as a version-control system were incorporated throughout the entirety of the project.

## VOLUNTEER EXPERIENCE

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### Computer Technician

Sept 2016 - Present

JIL Church, Kitchener, ON

- Operated the sound system and multimedia projector during weekly services and activities
- Analyzed and corrected computer malfunctions

## EDUCATION

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### Software Engineering Technology (Co-op)

Sept 2020 - Present

Conestoga College, Waterloo, ON

- Expected date of graduation: May 2024
- Currently maintaining a 3.92 GPA
- Focuses on a hands-on programming approach and industry-regarded languages and technologies, including web development, databases, software quality, project management, and business intelligence.