

# MICHAEL TETTEY TAMATEY

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## SUMMARY

Driven and detail-oriented Computer Information Systems student at Holland College with hands-on experience in software development, database management, and web application design. Proficient in Java, Python, C#, PHP, MySQL, JavaScript, Kotlin, TypeScript, and front-end technologies (HTML, CSS, React). Skilled in developing scalable applications, implementing secure authentication systems, and optimizing database queries efficiently. Strong background in project management, strategic planning, and problem-solving with a proven ability to deliver results in both individual and team settings. Committed to leveraging technical expertise and analytical skills to create innovative solutions and drive organizational success.

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## SKILLS

- JavaScript
- C#
- Java
- HTML/CSS
- MySQL
- PHP
- Python
- React
- Kotlin
- TypeScript
- Firebase
- PostgreSQL
- Critical Thinking
- Problem-Solving
- Package Handling
- Good Communication Skills
- Leadership
- Production Documentation
- PowerPoint
- Time Management
- Bitbucket
- Git

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## EDUCATION AND TRAINING

**DIPLOMA: COMPUTER INFORMATION SYSTEMS**  
**Holland College**, Charlottetown, PE

Expected to Graduate 04/2025

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## PROJECTS

01/2025 to Current

### Pressure Washing Service Platform - Android Mobile App

This Project is an Android mobile application counterpart to the Pressure Washing Service web application. It enables users to book and manage residential and commercial pressure washing services. The app integrates seamlessly with the web platform, providing features for selection, booking management, payment processing, and an admin dashboard for monitoring revenue and client requests.

**Technologies:** Java, Kotlin, Android Studio, Firebase, REST APIs

### Key Contributions:

- Design and implement an intuitive UI for service selection, booking, and payment processing.
- Integrate Firebase for secure authentication and real-time synchronization with the web platform.
- Build dynamic pricing functionality using business logic, including discounts for multi-day bookings.
- Develop backend APIs to support app functionality and ensure data consistency with the web application.
- Optimize app performance, reduce load times, and enhance user experience.
- Enable offline data storage for seamless functionality in low-network scenarios.

- Manage development tasks and feature tracking using Jira.
- Implement solutions using Agile Framework to streamline development.
- Utilize Bitbucket to manage code repositories and efficiently push changes to the main branch.

01/2025 to Current

## Mass Enterprise Inventory Management System

A web-based inventory management system for Mass Enterprise, designed to streamline the management of electronic products. The application provides business owners with an intuitive interface to add, update, and delete products, customers, and orders, track inventory levels in real-time, and process secure online payments. Additionally, the system offers monthly income tracking, detailed reporting, and role-based access control for Admins and Employees.

### Technologies:

- **Backend:** Java, Spring Boot, PostgreSQL, Spring Security, JDBC, File I/O
- **Frontend:** TypeScript, React, HTML, CSS
- **Development Tools:** VS Code, IntelliJ, GitHub, Jira
- **API & Security:** RESTful APIs, Spring Security, JWT Authentication

### Key Contributions:

- **Develop a secure authentication and authorization system** with **Spring Security** and **JWT**, enforcing **role-based access control (RBAC)** for **Admin** and **Employee** roles.
- Designed and implemented the PostgreSQL database schema.
- Leader of the project, overseeing development, coordinating team efforts, ensuring timely delivery, and optimizing workflows for efficiency and success.
- **Build a RESTful API with Spring Boot** to expose secure endpoints for managing inventory, processing orders, and handling transactions.
- **Develop a customer-facing React & TypeScript frontend** in **VS Code**.
- **Implement monthly income tracking and reporting features** using **JDBC and File I/O**, enabling business owners to view detailed revenue insights.
- **Optimize database queries** to enhance **performance and scalability**, reducing query execution time for large datasets.
- **Configure and maintain a secure database connection** via **DatabaseConnection.java**, ensuring reliable data transactions.
- Implement solutions using Agile Framework to streamline development.
- **Manage project milestones, bug tracking, and task assignments** using **Jira**, following **Agile development practices**.
- **Utilize GitHub for version control**, managing branches efficiently, and pushing changes to the main repository for collaboration.

09/2024 to 12/2024

## Pressure Washing Service Platform

A web Application enabling users to schedule and manage residential and commercial pressure washing services. The application supports service selection, views, and updates appointment booking. It includes an admin dashboard for business owners to monitor requests, client details, and revenue, with a feature to calculate monthly income based on bookings and discounts.

**Technologies:** Java, Spring Boot, MySQL, HTML, CSS, JDBC, File I/O

**Key Contributions:**

- Implemented backend REST API and SOAP service.
- Designed and implemented code to generate detailed reports, write data to files, and calculate total revenue with customizable discounts for multi-day bookings.
- Created a multi-threaded service to support both GUI and console-based user interactions.
- Optimized database queries and reduced data redundancy.
- Implemented business validation.
- Created issues using Jira.
- Implemented solutions using Agile Framework to streamline development.
- Utilized Bitbucket to manage code repositories and efficiently push changes to the main branch.

09/2024 to 12/2024

**Windows Forms Database Management System**

Developed a Windows Forms application to manage database operations. The application is connected to a database and provides a user-friendly interface for performing CRUD (Create, Read, Update, Delete) operations. It allowed users to: View and search for records in real-time from the database, insert new records with validation checks, update existing records with seamless data synchronization, and delete records with confirmation prompts to prevent accidental data loss.

**Technologies:** C#, Windows Forms, .NET.

**Key Contributions:**

- Designed and implemented the database schema and application architecture.
- Developed features for database connectivity using .NET and ensured secure data handling.
- Conducted testing to ensure functionality and data integrity.
- Designed the application to perform CRUD operations.

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**EXPERIENCE**

**CGI**

Stratford, PE

**Student Software Developer**

02/2025 to Current

- Working on a project as a software developer and tester.
- Developing and testing software solutions to meet business requirements.
- Collaborating with team members to ensure high-quality deliveries.
- Assisting in debugging and improving application performance

**FEDEX**

Charlottetown, PE

**Package Handler**

09/2023 to Current

- Loaded and unloaded packages from delivery vehicles with manual and powered equipment.
- Inspected packages for damage or defects and recorded any issues found.
- Transported parcels between loading docks, delivery vehicles, and post office facilities.
- Scanned and sorted packages according to destinations and service type using a handheld scanner.
- Processed 200 packages daily, ensuring 98% package sorting and delivery preparation accuracy.
- Assisted in loading delivery trucks with prepared packages.

**HARTSTORES**  
Charlottetown, PE

**Cashier**

09/2023 to 01/2025

- Greeted customers and answered their questions about the store's products and services.
- Issued receipts, refunds, credits, or changes due to customers.
- Stocked shelves with merchandise when needed.
- Answered customer inquiries regarding store policies and procedures.
- Conducted price checks for special orders or discounts as requested by customers.
- Performed other duties as assigned by management.
- Operated cash register or POS system to receive cash, check, and credit card payments.
- Helped customers find specific products, answered questions, and offered product advice.
- Tracked company inventories, moved excess stock, and arranged products to improve sales.

**UPEI**

Charlottetown, PE

**Housekeeping Attendant**

04/2023 to 09/2023

- Maintained cleanliness and order of assigned areas.
- Cleaned, vacuumed, and dusted all rooms, hallways, lobbies, lounges, restrooms, corridors, elevators, stairways, and other work areas.
- Stocked linen closets with fresh linens and removed soiled linens for laundering.
- Organized storage areas for efficient stocking of items.

**MASS ENTERPRISE**

Accra, Ghana

**Manager**

02/2022 to 11/2022

- Developed and implemented strategies to increase customer satisfaction and loyalty.
- Monitored budgets and expenditures to ensure cost-effectiveness while maintaining quality standards.
- Provided leadership during times of organizational change or crises.
- Monitored staff performance and addressed issues.

**REFEREES**

**Sunday Agyekum**

Senior Manager

Federal Express

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**Donnie McKinnon**

Learning Manager

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**Candance Ripley**

Store Manager

HartStores

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