

PRINCE ADRIANNE FELIX

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EDUCATION

Cloud Development and Operations Graduate Certificate

Algonquin College

Ottawa ON

3.77 GPA / Sept 2024-Present

Computer Engineering Technology – Computing Science Advanced Diploma

Algonquin College

Ottawa ON

3.46 GPA / Sept 2019-Apr 2022

SKILLS AND QUALIFICATIONS

Languages: Java, Python (Beginner), SQL, PHP (Beginner), JavaScript, TypeScript (Beginner), HTML/CSS

Technologies: REST, Spring Boot, React, Node.js, PostgreSQL, MongoDB, Flask (Beginner), Firebase

Developer Tools: Microsoft Azure, Docker, Kubernetes, Git, GitHub, IntelliJ, VS Code, Selenium

- Proven **leadership** and **teamwork** skills, effectively guiding team to achieve operational excellence and fostering a collaborative work environment to enhance overall performance.
- Passionate about information technology with strong **problem-solving** skills and focus on delivering innovative solutions.
- Ability to work independently with minimal supervision, effectively managing tasks.
- Experience using **Microsoft Azure** Services such as configuring and managing virtual machines, deploying web applications, managing storage accounts, and deploying containerized microservices using **Docker** and **Kubernetes**.

PROJECTS

Full Stack | Employee Scheduling Application

Aug 2023-Present

Employee Shift Scheduler Application

Java Spring Boot | Flutter | Dart | MongoDB

- Developing a shift scheduling application with **Spring Boot** and **Flutter**, demonstrating proficiency in **Full Stack Development**, designing and handling complex **REST APIs**.
- Utilizing **Model-View-Controller** architecture to effectively manage incoming API requests.
- Implementing user security and privacy with **JWT** authentication mechanism, preventing unauthorized access.
- Conducted ongoing user testing, resulting in enhanced user satisfaction and a 20% reduction in scheduling errors.

Cloud Development | Sensor Data Monitoring System

Nov 2024 – Dec 2024

Cloud-Based IoT System

Azure IoT Hub | Stream Analytics | Python

- Designed and deployed an IoT-based system to simulate sensors for monitoring ice conditions and weather for the Rideau Canal Skateway.
- Integrated **Azure IoT Hub** and **Azure Stream Analytics** to process real-time data, ensuring seamless data flow and storage in **Azure Blob Storage**.
- **Automated** data ingestion and processing pipelines, reducing manual intervention and ensuring consistent, scalable data analysis.

Full Stack Cloud-Native Developer | Pet Store

Nov 2024

Cloud Deployment

Azure OpenAI | Docker | Kubernetes

- Deployed a cloud-native application for an online store using **Azure Kubernetes Service**, enabling seamless integration of microservices.
- Refactored **RabbitMQ** to use **Azure Service Bus** as a managed backing service for enhanced scalability and reliability.
- Configured and deployed **AI services** using **Azure OpenAI** (GPT-4/DALL-E) to generate product descriptions and images.
- Set up a Continuous Integration/Continuous Deployment (**CI/CD**) pipeline for all microservices to automate building and deploying the application.

Cloud Development | [RESTful API with Authentication](#)

Nov 2024

RESTful API with Authentication

Azure Services / Spring Boot / Node.js

- Developed and deployed a **RESTful API** using **Azure Functions** to integrate with **Azure Cosmos DB**, demonstrating the ability to manipulate data in the database.
- Led development of **RESTful API** and authentication mechanism, providing in-depth explanation on how each CRUD operations could be implemented, resulting in positive results.
- Secured database access with **Java Spring Security** with **JWT**, implementing role-based access control to enhance data security and reduced unauthorized access attempts by 40%.
- Conducted a testing and validation with **Postman** to ensure each endpoint are working as expected, resulting in quicker bug resolution and enhanced overall API stability.

WORK EXPERIENCE

Uncle Tetsu Ottawa

Team Leader

Dec 2021-Present

General Baker

Sep 2020-Nov 2021

Leadership / Communication / Teamwork

- Collaborate with management to ensure smooth operations and enhance customer satisfaction
- Lead and motivate a team in a dynamic environment to ensure best performance and consistently exceed goals.
- Oversee day-to-day operations, resulting in high productivity and contributing to a significant improvement in overall sales.
- Analyze past sales data to compare performance metrics, allowing for more effective planning each week, which enhances overall sales performance.