

EDUCATION

- QUEEN'S UNIVERSITY BELFAST** Belfast, United Kingdom
Bachelor of Science (Honors) in Computer Science including Professional Experience (2:1) 2018 - 2023
Thesis: "Environment Scheduler: Application for Management of Workspace Environment between National Health Emergencies and Future Emerging Safety Policies."
Advisor: Dr Barry McCollum
- NORTHERN REGIONAL COLLEGE** Ballymena, United Kingdom
BTEC Level 3 Extended Diploma in IT (Software Development) 2016 - 2018
Achieved Triple Distinction Star (D*D*D*) Highest Grade Possible

EXPERIENCE

- Department of Finance Civil Service** Belfast, United Kingdom
Junior Software Developer (9 Months) 09 2020 – 06 2021
- Designed and supported multi-tenant applications using C# and Python language.
 - Developed direct website and nine Departmental websites using JS, SQL, HTML5, jQuery.
 - Improved User Experience (UX) and User-Centered Design Consultancy in an Agile approach.
 - Collaborated with clients to identify and resolve errors and bugs in an application solution, enhancing overall functionality and user experience.
 - Migrated microservices to updated application versions to enhance functionality and introduce new features.

- ONLINE ENTERTAINMENT** Belfast, United Kingdom
YouTube 04 2021 - Present
- As a full-time YouTube creator, I use editing software like Adobe After Effects, Premiere Pro, and Sony Vegas, along with Adobe Photoshop for photo editing. I manage and host my channel's infrastructure through Amazon AWS EC2, setting up ports and utilizing WinSCP for secure SFTP data transfers from any location with an internet connection, which allows me to preserve my digital identity, for greater work flexibility and social security.

PROJECTS

- Environment Scheduler Application** 04 2023
Application for Management of Workspace Environment between National Health Emergencies and Future Emerging Safety Policies.
<https://github.com/arnisdimpers/CSC3002-enviroment-scheduler>
- Seeing first hand at my job lingering circumstances of the pandemic, a major work force once shifted to work from home is now slowly returning to office. Office space is foreseen to reduce because employers are encouraging employees to stay home. This also means office space must be restructured because of new post pandemic rules being adapted for a safer and healthier work environment.
 - Used Docker containers to ensure the application works reliably in different environments by separating the services.

- Firebase API to manage and organize data as well as facilitate the administration of user accounts.
- Database to make it easier to access and store both new and old information while keeping the data secure.
- Android application with multiple layers for administrative and normal user side.
- Mobile solution that provides convenient access for detailed, capturing images of office spaces and in your pocket.
- Implemented using Java, JavaScript and HTML languages.
- Developed an advanced administrative side of the application to monitor user behavior.
- Comprehensive unit testing to verify the system's integrity and highlight errors.

Cloud-Based Grading Application

11 2023

Developed a grading calculator for academic modules, using seven programming languages for each function. The application was hosted on Kubernetes. Separated into Multiple Docker Containers. It features load balancing, fully custom proxy router, stateless saving and automated error testing.

<https://github.com/arnisdimpers/CSC3065-cloud-assignment>

- Created a REST-API application for university to calculate student marks using real world Cloud technologies.
- Created Docker containers for each service to keep them consistent across different environments.
- Developed a testing page that checks each service's status and notifies admins if any service goes down or has errors. Performed unit testing to ensure each part worked correctly.
- Implemented 7 functions in 7 languages: Python Flask, Node.js with Express, Java Spring Boot, C# with ASP.NET Core, PHP and Golang.
- Back-end services for HTTP GET requests and returned JSON responses.
- Set up error handling on both the front end and back end to track and fix issues.
- Built a custom reverse proxy to manage all front-end requests.
- Applied load balancing to share traffic across several servers, improving performance.

TECHNICAL SKILLS

Programming Proficiency:

I am proficient in multiple programming languages providing me with an edge in the logical and technical skills necessary to tackle difficult challenges and develop appropriate software solutions. I have experience in data analysis and machine learning with TensorFlow, building scalable server-side applications and REST APIs, creating applications using Spring Boot, developing desktop applications and web services with .NET, designing dynamic websites, and implementing high-performance applications using Golang for web microservices. My work experience ingrained into me clean code practices and how to quickly adapt to new technologies.

Other Skills:

My YouTube experience allowed me to develop social skills that can bring people together to work on a single objective regardless of their background or experience, achieving the set-out goal and more. By providing a collaborative environment where inclusivity is the driver of success.

ACHIEVEMENTS

- Integral member of an unofficial marketing agency creating online graphics and editing videos for clients.
- Provided services to numerous popular entertainers and enhanced their online presence.
- Successfully grew and managed multiple YouTube channels with over 400,000 subscribers.
- Built an inclusive and friendly community on Discord by offering a safe space and opportunities for artistic expression and organize events.
- Traveled with my brother to Canada, European Union, the United States, South Korea, and Japan for self-growth.