

MARC VILLAREAL

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EDUCATION

Queen's University Belfast – GPA (2:1)

BEng (Hons) Software Engineering with Year in Industry

Belfast, Northern Ireland

Sept 2020 – June 2024

Notable Modules: Final Year Project (77), Procedural Programming (74), Software Testing (66), Data Structures Algorithms (65), Software Engineering and Systems Development (63), Fundamental of Maths for Computing (63), Network Security (62)

St Mary's Christian Brothers' Grammar School & Hazelwood College, Belfast

Advanced Level, Advanced Subsidiary Level, GCSE

Belfast, Northern Ireland

Aug 2013 – June 2020

- A-level: Score: **AAB** in CCEA Digital Technology, CCEA Moving Image Arts, BTEC Sports.
- GCSE: 9 GCSE's **A-C** (including Mathematics' and English)

EXPERIENCE

ScreenCloud

Software Engineer

Sept 2024 – Dec 2024

- Worked closely with the Apps Team to implement new features for App integrations within ScreenCloud Studio including apps like **Air Quality**, **Teams News**, **Follow Us**, **Layout Builder**, **Mono-Editor** and **Quick Post** using **TypeScript**, **AWS Lambda**, **DynamoDB**, **Travis CI**, **GitHub Actions** and **SCSS** to boost digital signage solutions.

Civica

Placement Software Engineer

Sept 2022 – Sept 2023

- Worked on remediating accessibility for NI Direct **GeNI** and **GRO** portals to GDS (GOV.UK Design System) standards and guidelines.
- Assisted in design and development of **DHI** (Digital Health Identity) system using **C#** and **.NET Core**.
- Collaborated in a team to rapidly deliver **COVID Certification Service** which allowed Northern Irish citizens to travel abroad during the COVID pandemic by allowing them access to proof of Vaccination and/or Recovery.

Capita

IT Service Desk Analyst

July 2022 - Aug 2022

- Responded to incoming telephone calls, emails, and logging incidents from **C2K** schools around Northern Ireland.
- Provided **software** and **hardware** support, resolving problems and issues.
- Performed system installations and updates to **prevent service interruptions**.

NOTABLE PROJECTS

COVID Certification Service – HSCNI

Oct 2022 - Nov 2022

- Assisted in the development of **CCS** with a team of 6 to which allowed Northern Irish citizens to travel abroad during the COVID pandemic by allowing them access to proof of Vaccination and/or Recovery using **C#** and **.NET Core**.
- Comprised a GOV.UK Design System (**GDS**) styled **Nitro** citizen portal, **Azure Functions API**, **SQL** server and **Cosmos DB** data storage, Nitro Employee portal.

Insurify Insurance Year in Review – Final Year Project

Sept 2023 – Apr 2024

- Designed and developed an Insurance Year in Review website with a team of 4 using **GO**, **MongoDB**, **JWT**, **React.js**, and **TailwindCSS**, deployed with **Docker**, **Rancher** and **GCP** through a **GitLab CI/CD Pipeline**, resulting in an innovative approach to transform the traditional protection review into a digital, non-linear, and unscripted experience. By presenting complex information in an easy-to-understand format, we strived to engage customers in a meaningful way.

ScreenCloud Apps

Sept 2024 – Dec 2024

- Helped develop a unified mono backend platform that powers over 100 applications and integrations for ScreenCloud's digital signage solution used by over 10,000 customers globally using technologies like **Typescript**, **Node.js**, **AWS**, **Travis CI**, **GitHub Actions**, **React.js**, **SCSS**.

SKILLS AND INTERESTS

- **Languages and Technologies** - *Proficient* with C#, Java, Typescript, React.js, Node, Git, JavaScript, SCSS, TailwindCSS, Docker. *Familiar* with Golang, MongoDB, AWS, Azure, GCP, Kubernetes, Rancher, and MySQL. Discord, Microsoft Teams, vsCode, Visual Studio, GitHub, GitLab.
- **Hobbies & Extracurricular** – Filmmaking, guitarist and gym-goer. Queen's Filipino Society Treasurer - Maintained and handled financial health of the society for 2 years. Queen's Esports – Game Team Captain and NSE All Star Regional's Winner 2022. Took part in Hackathons by Nigma & HKD. (More Information on Website)