

# Brian Penrose

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**m**

Experienced Software Engineer with a strong background in developing and optimizing back-end payment systems. Proficient in C#, SQL, and cloud technologies such as AWS, with a focus on delivering scalable, secure, and efficient applications. Skilled in front-end technologies including HTML5, CSS3 (BEM), JavaScript (ES6+), and React. For more details, feel free to explore my ePortfolio below or continue reading my resume.

**Eportfolio:** <https://brianpenrose.github.io/ReactPortfolio/>

## EXPERIENCE

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### **Global Payments Inc,** Belfast — *Software Engineer II*

November 2022 - PRESENT

- Develop and maintain robust back-end payment service and processing systems using C#, .NET .
- Utilized AWS services (e.g., EC2, DynamoDb, Lambda) to deploy, manage, and scale cloud-based applications for clients.
- Manage and optimize SQL Server databases using SSMS, including writing queries, performing data migrations, and ensuring data integrity and performance.
- Implemented continuous integration and deployment (CI/CD) pipelines using tools such as Jenkins, GitLab and Bamboo, Bitbucket for Cloud applications.

### **Education Authority,** Belfast — *Software Developer*

February 2022 - October 2022

- Engineered dynamic web applications using HTML5, CSS3, JavaScript, and the .NET framework to meet both company and client requirements.
- Developed and optimized back-end functionality using C# and SQL, integrating with SQL Server Management Studio (SSMS) databases for seamless data management.
- Integrated APIs into existing applications to enhance functionality and improve user experience

## Technical Skills

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- C#
- .Net
- AWS
- SQL/SSMS
- Github/Bitbucket
- Jenkins/Bamboo/Splunk
- React
- JavaScript
- Java
- HTML, CSS

## Freelance, Remote — *Frontend Software Engineer*

February 2021 - February 2022

- Engineered scalable, responsive, multi-platform, and SEO-optimized websites for diverse clients using HTML5, CSS3 (BEM methodology), JavaScript (ES6+), and React, adhering to industry best practices
- Collaborated closely with clients to gather and understand business requirements, delivering high-quality, tailored solutions that exceeded expectations.

## EDUCATION

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### Queen's University, Belfast — *MSc Software Development*

September 2020 - September 2021

Modules Completed:

- |                         |                                 |
|-------------------------|---------------------------------|
| • Programming           | • Databases                     |
| • Software Engineering. | • Computing Foundations.        |
| • Web Development       | • Data Analysis & Visualisation |
| • Cloud Computing.      | • User Design Experience.       |

### The Open University, Remote — *BSc (hons) Sport & Exercise Science*

September 2019 - May 2020

First Class Honors (72%)

## PROJECTS

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### Eportfolio — <https://brianpenrose.github.io/ReactPortfolio/>

- Designed and Developed my ePortfolio website using React. This site showcases my professional journey, skills, and projects in a visually appealing and user-friendly manner.
- Within this I've used a variety of React components such as use-states, typewriter effects, flip card and other eye-catching animations.

### LocateMe — <https://brianpenrose.github.io/locateme/>

- Locate Me is a web mapping platform application using Google's Mapping API. It offers satellite imagery, aerial photography, street maps, 360° interactive panoramic views of streets, real-time traffic conditions, and route planning for traveling by foot, car, bike, air and public transportation.
- Within this I've showcased the use of Javascript, HTML, CSS along with an integrated API from Google.

### Client Eportfolio — <https://brianpenrose.github.io/clientportfolio/>

- Developed a dynamic and responsive client portfolio with an attractive UI Design with HTML5, CSS3 and JavaScript.
- Ensured the clients specifications and project were all implemented as per request. Received positive feedback from client about the site leading to an increase in job interviews.

