

Erin Buchanan

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PROFESSIONAL EXPERIENCE

BT Group

Software Engineer

Belfast

September 2023 - Present

- Migration of a legacy monolithic codebase to a microservice based architecture
- Building containerized microservices in Java's Spring Boot
- Writing docker files to build and deploy images

American Dynamics

Software Engineer

Belfast

May 2023 - September 2023

- Worked on building features and fixing bugs in TypeScript on an Angular project
- Engineered a responsive solution which halved the time taken to display multiple camera views.
- Writing and unit testing code using Jest
- Creating and reviewing pull requests and merging branches

Decision Time

Junior Full Stack Developer

Antrim

June 2022 - May 2023

- Completing feature tickets and bug fixes to spec as given in Jira, following internal coding standards
- Developed a solution to remove the dependency on the dev team for toggling user features. This reduced the time for open tickets of this nature from ~2 days to less than 10 minutes.
- Working on features using object oriented PHP with CodeIgniter and Vue.JS
- Writing SQL to be used by APIs to retrieve data from the main Decision Time DB
- Testing of personal and team code
- Reviewing and merging pull requests

EDUCATION

Queen's University Belfast

MSc Software Development

Belfast

September 2022

- Classification: Distinction

Ulster University

BSc Hons Speech and Language Therapy

Jordanstown

September 2021

- Classification: 2:1

PROJECT EXPERIENCE

Nine Glens Irish Dancing Website

- Designed and developed a website using CSS and HTML for the Nine Glens School of Irish Dance, enhancing their online presence and facilitating efficient communication with students and parents.
- Created using a "Mobile first" approach which guarantees responsiveness and accessibility on most devices.

Microservice based grade calculator

- Implemented a set of distinct APIs, written in various languages including .NET, Flask, Express, and Spring Boot, to perform specific grade-related functions, ensuring flexibility and maintainability
- Created a stateful service, connected to Google Cloud SQL DB, enabling users to save and retrieve grades
- Conducted thorough unit testing for all microservices to ensure robust functionality and reliability. Set these up to run in a CI pipeline.
- Utilized Docker to containerize each microservice to ensure consistency across different environments.

LEADERSHIP EXPERIENCE

Irish Dancing Teacher

Beginners Teacher

Ballymena

September 2014 - Current

- Instructing beginners, teaching the basics of Irish Dance

- Planning of exhibitions and providing entertainment for events