

# GOWTHAMI KUMARESAN

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Available immediately (Skilled Worker Dependant Visa – Valid Till 11<sup>th</sup> Feb 2029)

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## Profile

An energetic, enthusiastic professional with solid experience in software development. Currently working as a Volunteer Software Developer at YouLearnt, creating educational games. Seeking a full-time role to leverage my skills in Java, JavaScript, and modern web technologies to drive innovation and contribute to team and company success.

## Skills

- Java | JavaScript | Node.js | React | HTML5/CSS | Git | MySQL | MongoDB | Linux
- JUnit | Unit Testing | System Integration testing | Postman API | UML | Trello | Jira | Agile | Scrum

## Work Experience

<b>Software Developer</b>	<b><u>YouLearnt</u></b>	UK	<b>Present</b>
<ul style="list-style-type: none"><li>• Designing and developing educational games to enhance learning experiences using JavaScript.</li><li>• Perform testing and make iterative improvements using Agile Scrum model.</li></ul>			
<b>Software Developer</b>	<b><u>DataWENS Technologies</u></b>	India	<b>10/2020 – 09/2022</b>
Worked in the "Doctor 24By7" product team as a full-stack software developer. "Doctor 24By7" is a feature-packed medical application for the healthcare field.			
<ul style="list-style-type: none"><li>• Redesigned and developed a specific grid functionality in the product using SQL, CSS, JavaScript, and jQuery.</li><li>• Led the design and development of SQL-stored procedures and queries for the use case and requirement.</li><li>• Code migration to the Dot NET Core platform. Key activities included use case and requirements analysis, implementation, and testing. Built and tested code for the enhancements in the core platform.</li><li>• Performed integration testing and system testing efficiently with required product coverage in a short delivery time.</li><li>• Documented several customer usecases quickly for the product release.</li><li>• Maintenance and handling of defects for the ongoing releases of the product.</li></ul>			

## Education

<b>Master of Science</b>	<b><u>Queen's University Belfast</u></b>	Belfast, UK	<b>09/2022 – 12/2023</b>
<ul style="list-style-type: none"><li>• Master of Science in Software Development (<b>First class with Distinction, Overall score: 78%</b>).</li></ul>			

## University Course Projects

### Database Design (Jet2holidays Model)

- Designed the Entity-Relationship model and implemented major use cases with SQL queries.

### Software Engineering (Save Our Planet Game)

- Led a 5-member team to develop a text-based virtual board game using **Java**.

### Web Development (Stacks of Wax Website)

- Developed a website for managing music collections using **Node.js, API, Bootstrap, HTML5/CSS, and MYSQL**.

### Software Development Dissertation (Aerofinder)

- Developed and launched a real-time flight tracking system ( <https://aerofinder.onrender.com/> ) using **React, Tailwindcss, MongoDB, Node.js, Twilio, Google Maps API, and External APIs**.
- Activities: Project planning, requirements analysis, UI and DB design, development, testing, dissertation, and demo.

### Certifications

- **Building Scalable Java Microservices with Spring Boot and Spring Cloud** – Google Cloud, 2024
- **Foundations of Project Management** – Google, 2021

### Others Activities

- Participated in multiple hackathon events conducted by the EECS department.
- Built an application and received appreciation at an event by **Kainos** and the University.

### References

- **Dr Aidan McGowan – Senior Lecturer at Queen's University Belfast**  
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- **Dr Bee-Yen Toh – Senior Lecturer at Queen's University Belfast**  
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- **Mr Joseph Jegan – Project Manager at DataWENS Technologies**  
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