

Hayan Butt

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Personal Bio:

As a recent graduate of BSc Biology, I am excited to apply my problem-solving and analytical thinking skills to a career in software engineering. I am now pursuing full stack development as a means to understand the different fields of the industry. My interest lies with learning the programming languages surrounding Java and JavaScript, whilst becoming familiar with agile development methodologies and working in a progressive team environment, all in the hopes of becoming a versatile and complete developer.

Education & Existing Technical Skills

Newcastle University, BSc Biology (Cellular and Molecular Biology)

10/19 – 06/22

Relevant Coursework/Modules:

- Experimental Design and Statistics - Used R and RStudio for statistical analysis
- Microbial Genomics - Used Linux OS to navigate through files for metagenomics

Coding Skill:

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|----------------------------------|----------------------------------|--------------------------------|
| • Intermediate HTML | • Intermediate CSS | • Intermediate Java |
| • Intermediate Junit5 | • Intermediate PostgreSQL | • Intermediate SQL |
| • Intermediate JavaScript | • Intermediate JavaScript | • Intermediate React.js |
| • Basic Tailwind CSS | • Basic Node.js | • Basic SASS |
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Previous Experiences

Full Stack Software Engineer Internship | Bright Network, London

03/23 – 06/23

- Internship providing training in full stack development (Java, Spring, JavaScript, SQL)
- Became proficient in creating and consuming RESTful APIs to develop advanced web applications
- Produced high quality presentations of projects to colleagues and clients of the company

Team Member | Cineworld PLC, Bradford

07/22 – 03/23

- Delivered efficient customer service by serving tickets & concessions
 - Used good communication to delegate tasks and maintain well-ordered workflow during busy periods
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Prior Coding Experience

Tile-Based Game – BNTA

(Java, Spring, PostgreSQL, React.js, CSS)

06/23

https://github.com/HayanButt/capstone_front_end | https://github.com/HayanButt/capstone_backend

- Implemented the react-router library to navigate between different web pages
- Created custom map and sprite images using Canva
- Mapped the sprite movement to the arrow keys using the 'onkeydown' function
- Consumed an external API containing trivia questions
- Used audio files to show interactions and background music, which can be toggled on or off

Pet Checklist App – BNTA

(React.js, CSS)

06/23

https://github.com/HayanButt/BNTA_Frontend_Project

- Consumed a REST API and used the http request endpoints to store data inputted from the client side
- Followed a component-based architecture,
- Used the 'useState' hook to keep the code concise taking advantage of state inheritance as props

To Do List API – BNTA (Java, Spring, PostgreSQL)

04/23

https://github.com/HayanButt/BNTA_BackEnd_Project

- RESTful API with full CRUD functionality
- Implemented object-oriented programming for it's reusability and it's potential scalability
- Established a one-to-many relationship between a list and its items, and a many-to-many relationship between one user and many lists
- Underwent thorough testing and debugging using Postman and Postico