

# Jason Asante-Twumasi

## Software Developer

London, N1

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Self-motivated Junior Full-Stack Software Developer with 18 months of experience programming in Go, JavaScript and about to embark on Rust. Continuously seeking opportunities to gain experience and grow as a software developer. Imbued with time-management, prioritisation and critical thinking skills gained as a Biomedical Science Student and fellow at 01Founders Tech Boot Camp.

## WORK EXPERIENCE

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### 01 Founders

Full-Stack Software Developer

Oct 2021-Present

- Experience working with software development tools and technologies such as Linux, Git and Visual Studio.
- Ability to work independently and take ownership of assigned tasks, while also being open to feedback from other developers.
- Developed the ability to write clean, efficient and maintainable code.
- Engaged in agile methodologies such as paired-programming and scrums when developing projects.
- Developed diverse full-stack applications involving frontend and backend technologies with proficient database management.

**Technologies:** Go, JavaScript, Rust, SQL, Restful APIs, HTML, CSS, GraphQL, Linux, Git, Visual Studio Code.

## TECHNICAL PROJECTS

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### Social Network

[React, Go, RESTful API, and SQLite3, Migrations]

Single-page web forum allowing user interactions via followings, posts, comments, and likes and communicate via group or private messaging.

- Achieved concurrency and real-time communication via the use of Gorilla WebSocket, Go routines and RESTful API calls.
- Integrated SQLite3 database to manage user information and interactions.
- Enhanced front-end responsiveness using the React framework and React libraries.

### Brick Invaders (Make Your Game)

[JavaScript, HTML, CSS]

Video Game infusion of brick-breaker and space-invaders.

- Implemented JavaScript's requestAnimationFrame function to create a game loop running at 60 frames per second (FPS).
- Achieved continuous state updates and respective renders in the game, resulting in smooth and fluid animations and interactions.

### Lemin

[Go]

Identify and display the most efficient graph paths.

- Utilized linked structures connecting nth-degree nodes, achieving optimized graph navigation.
- Implemented custom depth-first search algorithm to find optimal graph paths.

### Groupie Tracker

[Go, RESTful API, HTML, CSS]

An interactive webpage for displaying detailed information about bands/artists.

- Achieved seamless integration of JSON data from external API using RESTful API calls, displaying the corresponding data on the webpage.

## EDUCATION & QUALIFICATIONS

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University of Warwick

BSc Biomedical Science: 2:1

Sept 2018-July 2021

Bishop Challoner Catholic Collegiate Boy's School

A-Levels: Maths (A), Biology (B), Chemistry (C)

Sept 2016-June 2018

Bishop Challoner Federation of Schools – Sixth Form

GCSEs: 9 A\*-B with A\* in Mathematics and A in English Language and Triple Science

Sept 2011 – July 2016

References Available on Request.