

Louis Atkinson

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Profile

Software developer with over 2 years of experience building high-quality applications, focussing on performance, security, and user experience. Passionate about learning new technologies and refining my skillset. My portfolio can be found at louisatkinson.co.uk/portfolio.

Professional Experience

2023/03 – present
Sheffield

Full-stack developer

Crucible Gaming

- Built and maintained game servers in Java, implementing core game logic with a strong focus on security and compliance.
- Improved backend performance and scalability, reducing response times and optimising server efficiency for online slot games.
- Led front-end development across multiple JavaScript-based gaming projects, ensuring optimal user experience and performance.
- Utilised PixiJS and GSAP libraries to build engaging animations, enhancing the visual experience and interactivity of games.
- Applied strong knowledge of OOP software design to build scalable, maintainable code.
- Utilised the publish-subscribe pattern to manage complex game logic, improving modularity and reducing dependencies.
- Successfully ported games to desktop and mobile platforms while optimising performance.
- Contributed bug fixes, improvements, and new features to the company's bespoke framework, enhancing functionality and stability.
- Collaborated closely with clients to understand requirements and deliver features and improvements tailored to their needs.
- Mentored junior developers and assisted in code reviews.

2019/09 – 2023
London/remote

Woodwind teacher

Kingston Music Service/private lessons

- Built personalised lesson plans tailored to students' individual needs and goals, adapting teaching methods to suit different learning styles.
- Developed communication skills by explaining complex concepts clearly to students of various levels.

Education

2015 – 2019
London

Bachelor of Music (Hons) 2:1

Trinity Laban Conservatoire

Skills

Languages

- Java, JavaScript/TypeScript, Python

Frameworks/libraries

- Spring Boot, React, Express, PixiJS, GSAP

Other technologies

- MongoDB, PostgreSQL, Git, npm, Webpack, AWS, Jest

References available on request