

Amelia Winters

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Experience

The Access Group

Aug 2022 – Present

Full-stack Software Engineer

Remote

- Recognised constantly by management, peers, and end-users for outstanding performance in developing high-quality products.
- Mentored Junior Software Engineers on principles of Clean Coding, SOLID Design, and efficient software development practices, emphasising the importance of readable and maintainable code.
- Surpassing team benchmarks by consistently delivering 300% of the average workload per sprint, as measured in story points, significantly outperforming peers.
- Serving as CyberSecurity Champion, maintaining a record of 0 vulnerabilities in my developed products through numerous whitebox pen tests.
- Detected and resolved a critical (CVSS 9.0) legacy security flaw that had been overlooked in all previous pen tests.
- Modernised and integrated full-stack testing into three legacy products, significantly improving their reliability.

Education

Loughborough University

July 2022

Bachelor of Science in Computer Science and Artificial Intelligence

Loughborough, UK

- **Relevant Coursework:** Web Programming (97%), Networks and Internet (90%), CyberSecurity (75%), Advanced AI Systems (75%)

Projects

Employee Performance | The Access Group | *React.js, TypeScript, .NET/C#, ASP.NET Core, SQL Server, Azure*

- A comprehensive employee performance tracking and management system.
- Independently implemented complete solutions including performance reviews, company dashboards, entire testing frameworks, and integration of automated testing in the CI/CD pipelines, enhancing product functionality and user experience.
- Led the refactoring of this product, improving the code quality score by over 20 points inside of SonarQube.

Goals and Objectives | The Access Group | *React.js, TypeScript, .NET/C#, ASP.NET Core, SQL Server, Azure*

- An app for giving and setting goals and objectives to employees.
- Integrated a ChatGPT-based solution during a hackathon for streamlining managerial workflows.
- Transformed a legacy codebase, segmenting over several files with thousands lines of code each into small and detailed components, improving code readability and maintainability.

Path to Great | The Access Group | *React.js, Vue.js, TypeScript, .NET/C#, SQL Server, Azure*

- An application designed for seamless tracking and dynamic sharing of employee performance.
- Redesigned this entire application from the ground up, greatly improving this product's maintainability and earning high praise from directors, managers, and end-users.
- Successfully migrated a critical Vue.js component to React.js, implementing TDD to ensure reliability.

Wedding Venue Booking Finder | Personal | *JavaScript, jQuery, HTML, CSS, PHP, SQLite, Node.js*

- This project earned an excellent 97% grade, showcasing excellent front-end and back-end skills.
- Developed and launched a user-friendly, efficient online solution for wedding venue bookings, tailored to client specifications.

Expertise & Enthusiasm

Programming Languages: TypeScript, JavaScript, C#, Python, Java, SQL, HTML, CSS,

Technologies: React.js, Vue.js, ASP.NET Core, .NET, Swagger, Azure, Node.js

Concepts: Automation, TDD, REST API, Responsive Design, SOLID Programming

Interests: Martial Arts, Cosplay, Volunteering for Charity