

Jonathan White

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Experienced software developer with a strong foundation in Computer Science, skilled in developing innovative software solutions using multiple languages and agile methodologies. Seeking a challenging role to bring my expertise and collaborate with a dynamic team, with a keen interest in contributing to the success of a forward-thinking company.

EMPLOYMENT HISTORY

Software Engineer, *OpenText (Oct 2022 - Present)*

- Developed scalable software solutions for a cloud-based mainframe emulation platform
- Improved and maintained various components to ensure optimal performance
- Conducted successful code refactoring using TDD methodology without compromising functionality
- Collaborated in a Scrum development team utilizing pair programming techniques
- Worked on enhancing a COBOL language server extension in TypeScript for VSCode
- Modernized a legacy mainframe optician database by adding a React frontend

OpenText's acquisition of Micro Focus led to the discontinuation of hybrid work and required relocation from Newcastle to Reading. This change in employment conditions has regrettably compelled me to seek alternative opportunities.

Learning Support Assistant, *Newcastle University (Jan 2021 - May 2022)*

- Demonstrated practicals and provided support to students, ensuring successful completion of work
- Mentored students in OOP, SQL, and version control, fostering real-world skills
- Troubleshoot technical issues during practical work to help students achieve their goals
- Possess strong Java skills to provide comprehensive support to students.

Team Leader, *National Citizenship Service (various charities) (May 2019 - Nov 2020)*

- Led and managed 15 young people on 4-week programs, incorporating residential and charity projects
- Mentored and supported participants to develop and execute impactful community initiatives
- Facilitated charity projects under tight deadlines while ensuring high-quality outcomes.
- Planned and delivered engaging sessions to teach critical life skills, including time management and communication

Mystery Shopper, *Various Agencies (Oct 2018 - Oct 2022)*

- Conducted comprehensive audits of businesses within the North East region to ensure exceptional customer service and practices were upheld.
- Adhered to client guidelines for completing audits accurately and efficiently, providing valuable insights into store's procedures and overall customer experience.
- Delivered detailed feedback to store managers, highlighting areas for improvement and execution of corrective actions to increase customer satisfaction ratings.

EDUCATION

MComp Computer Science, *Newcastle University (2018 - 2022)* **Grade:** First Class Degree

Stage 1:

- Developed an understanding of Object-Oriented Java programming concepts
- Programmed ARM processor-based assembly code
- Acquired foundational mathematical knowledge for Computer Science

Stage 2:

- Led an Agile team developing an Android application in Kotlin
- Implemented C programs on Minix OS, gaining insights into OS operation methods
- Applied SQL for efficient database design and administration

Stage 3:

- Developed a mobile app using React, demonstrating self-directed learning
- Implemented concurrent systems and optimized memory management in C
- Employed C++ to create an efficient quad-tree data structure
- Applied Human-Computer Interaction principles to create accessible and inclusive designs
- Collaborated on a drone search and rescue dissertation with mountain rescue training charities
- Researched drone search detection rate using Python and C# for data analysis

Stage 4:

- Gained experience in Cloud Computing, Distributed Algorithms, and Docker
- Acquired knowledge of data communication security and handshake protocols
- Collaborated on a model pacemaker project to model risks in them
- Continued research on drone usage in search and rescue to support charity initiatives
- Utilized machine learning techniques to predict Titanic survival rates with 79% accuracy

EXPERIENCE

Society Social Officer, *Newcastle University Student Union (Aug 2021 - Jul 2022)*

- Directed a team of five in organizing weekly social events for a society with 650 members
- Demonstrated adaptability in responding to uncertain situations
- Collaborated with committee members to ensure best practices in event organization
- Demonstrated leadership and organizational skills by managing logistics for three university trips
- Managed budgets and conducted risk assessments for events, showcasing financial and safety awareness

EXTRACURRICULAR ACTIVITIES

Taekwondo: As a dedicated black belt in Taekwondo, I train twice a week and actively contribute to my club by mentoring and teaching new members. This experience has allowed me to develop strong leadership and interpersonal skills.

Hiking: I frequently explore the great outdoors, with a particular interest in the Cheviot Hills and the Lake District. Hiking enables me to maintain a healthy work-life balance, and appreciate the beauty of nature.

Programming: My genuine passion for computing and programming led me to pursue a career in this field. I continuously refine my skills and develop projects to explore new technologies and cloud platforms such as AWS. I have created a React Portfolio site using React and AWS services like Cloudfront, S3, and Route53 in my spare time. I am currently using DynamoDB, and Lambda to implement a URL shortener to expand my skills of AWS services in addition to studying for a certification.