

Ben Millar

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Professional Profile

Analytical and solutions-focused professional with comprehensive knowledge and skills in writing structured code in multiple programming languages and structuring scalable applications to address automation gaps. Capability to employ collaborative development methodologies to deliver breakthrough technologies and ensure optimal performance on complex projects and technical initiatives. Competent at implementing innovative digital concepts, transforming users' requirements into software specifications, and diagnosing bugs to improve code reliability. Expert in collaborating with technical team and scheduling tasks to finalise simultaneous projects within scope and time.

Areas of Expertise

- Software Development / Programming
 - Project Coordination / Support
 - Quality Assurance / System Testing
 - Highly skilled in C++
 - Team Collaboration
 - Key Stakeholder Engagement
 - IT Infrastructure Support
 - Process Redesign / Automation
 - Issue Identification / Resolution
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EDUCATION

BSc in Computer Games Development (GPA: 86.40) | Institute of Technology Carlow, In Progress

Coursework includes: Data Structures & Algorithms; Software Engineering; Gameplay Programming; Human Computer Interaction; Applied Physics; Artificial Intelligence; Networking; 3D Graphics

Certificate in Computer Systems and Networks (Distinction) | Carlow Institute of Further Education, 2018

Coursework: ICT Security Policy & Management; Operating Systems; Networking; Computer Systems Hardware; Programming; Mathematics for IT

EXPERIENCE HIGHLIGHTS

AMAZON, Dublin, 2021

Software Development Engineer (Intern)

Engaged with key stakeholders to determine UX pain points and carried out self-directed work to design and implement systems to address these, improving customer quality of life and automating error prone tasks. Delivered expertly tested and documented code as part of an agile team and leveraged excellent communication skills to directly liaise with customers, designers, senior engineers throughout development.

Key Accomplishment:

- Identified an existing customer problem, designed a comprehensive solution, and pitched this to senior engineers within 6 weeks of joining the company. Lead development of solution until final delivery.

PRE-HOSPITAL EMERGENCY CARE COUNCIL, Kildare, 2020

Software Engineer

Structured and delivered a cutting-edge software to replace legacy application while sustaining original functionality. Optimised quality of system generated reports through creating formatted XLSX files. Decreased software execution time by 99.99% leveraging excellent knowledge of complex data structures. Gained and developed robust expertise in Git, C++17, and Visual Studio 2019 CPU profiler.

Key Accomplishment:

- Achieved time savings of approximately 50 minutes through integrating flexibility to software and automating the redundant functions.

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PRE-HOSPITAL EMERGENCY CARE COUNCIL, Kildare, 2018

ICT Support Officer (Grade IV)

Delivered comprehensive first line ICT support within fast-paced office environment to expedite the workflow. Streamlined and managed diverse functions, such as networks, service contracts, hosting solutions, data storage, and IT procurement while adhering to applicable policies and procedures. Drafted and submitted tender to OGP for acquiring new computer hardware.

Key Accomplishment:

- Updated and maintained document database for ICT system to reduce workload of IT department and enhance productivity / efficiency.

UNUM IRELAND, Carlow, 2017

IT and Infrastructure Support (Placement)

Conducted detailed troubleshooting and performed hands-on repairs for computer systems to optimise operating stability. Supported the imaging of new devices with proprietary systems. Ensured the smooth execution of complex IT operations through collaborating with internal and external teams.

Key Accomplishment:

- Boosted the speed of debugging network issues through the development and implementation of computer network overlaid in building map.

VOLUNTARY EXPERIENCE

- Served as volunteer for CoderDojo Program and taught programming and Web development skills to people utilising Scratch, HTML, and CSS.
- Represented college in the Robocode AI Programming Competition and secured 1st place nationally.
- Volunteered at Order of Malta Ambulance Corps since 2015 as an EMT as well as Duty Manager to plan and organise events for hundreds of people.
- Competed in medical competitions representing Carlow nationally, and Ireland internationally in world championships in both 2018 and 2019.

TECHNICAL SKILLS

C++, C#, Java, Python, OpenGL/GLSL, HTML/CSS, JavaScript, ReactJS, 68k Assembly, Design Patterns, Agile Development, Visual Studio 2021, Git, GTest, PyTest