Amy Caruana

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PROFILE

I am a passionate full-stack software developer who loves creating engaging digital experiences, from designing and developing responsive websites to building dynamic applications. I thrive in team environments and enjoy taking on challenges in design and development. With a strong background in UX/UI design, game, web and mobile app development, I'm eager to contribute to a fast-paced, creative environment.

WORK EXPERIENCE

Full Stack Software Developer, 4JMSolutions

Nov 2024 - Present

- I collaborate with cross-functional teams, including mechanical and electronics engineers, to design, develop, and deploy high-quality software solutions. My role involves gathering requirements, designing system architecture, and implementing efficient and maintainable code while adhering to industry best practices. Additionally, I design and develop innovative solutions, websites, and mobile applications to meet business and user needs.

Multimedia Developer,
Information Management Unit at the Ministry for the National Heritage, The Arts and Local Government

02/2023 - 05/2024

- Designed captivating posters and banners using Adobe Photoshop.
- Edited and produced engaging video content using Adobe After Effects and Premiere Pro, ensuring high-quality output.
- Developed branded motion graphics, animations, and visuals to enhance digital content.
- Created educational and promotional videos, integrating charts, branded assets, and on-screen text for clarity and engagement.
- Created dynamic applications to meet diverse business needs and provided comprehensive technical support to optimize system performance.
- Designed and developed various websites using WordPress, ensuring seamless user experiences and device responsiveness.

Java Developer (Student Apprentice),
University of Malta Institute for Sustainable Energy

06/2022 - 08/2022

- Designed and developed a Java program in NetBeans that enabled users to input parameters and select building types.
- Implemented a classification system that categorized buildings as low-polluting, very-low-polluting, or non-low-polluting based on user inputs.
- Calculated and displayed total energy usage per unit area, providing users with accurate environmental and energy insights.
- Integrated user-friendly input systems and efficient data processing to deliver actionable environmental and energy insights.

IT and Networking Technical Support (Student Apprentice), Ħad-Dingli Local Council

07/2021 - 09/2021

- Assisted a local council in a large-scale project to convert from a private network to a government domain-based WAN.
- Performed various tasks; including software installation, printer setup, data transfer, NAS drive installation, and data collection.
- Provided day-to-day technical support to ensure seamless operations.
- Designed posters for events using Adobe Photoshop.

SKILLS

Design & Development Tools: Adobe Illustrator, Adobe After Effects, Adobe Premiere Pro, Adobe Photoshop, Adobe XD, Canva

Languages/ Frameworks: HTML, CSS, JavaScript, Vue.js, Flutter, Bootstrap, JQuery, PHP, C#, OOP, Java, Python, .NET

Software: Visual Studio, Visual Studio Code, NetBeans, Android Studio, Unity, Fmod, Blender, Apache, Eclipse

Databases: MySQL, MariaDB, Google Firestore, PostgreSQL

Operating Systems: Linux, Raspberry Pi Platforms & Tools: Docker, Git, Google Cloud, Google Colab, WordPress

EDUCATION

Bachelor of Science (Honours) in Multimedia Software Development

MCAST Institute of Information and Communication Technology
2021 - 2024

Dissertation: "Enhancing User Experience and Usability in Agricultural Automation through an Intuitive Mobile Application Front-End Interface".