Johnathon Tannous

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SOFTWARE ENGINEER

. Conducted thorough analysis and documentation of user requirements, resulting in the development of detailed logical and physical specifications.

. Researched, evaluated, and synthesized technical information to design, develop, and test complex computer-based systems, utilizing agile methodologies and continuous integration/continuous deployment (CI/CD) practices.

. Designed and developed data, process, and network models to optimize system architecture and evaluate performance and reliability, utilizing software engineering best practices and principles.

. Coordinated and led the development, installation, integration, and operation of computer-based systems, utilizing project management skills and tools.

. Assessed, troubleshot, documented, and developed maintenance procedures for operating systems, communications environments, and applications software utilizing a proactive and continuous improvement approach.

. Coordinated and led teams of information systems professionals in developing software and integrated information systems, utilizing strong leadership, collaboration, and communication skills.

SKILLS

Programming Languages: C, C++, CSS, HTML, Java, JavaScript, Python

Frameworks and Libraries: Bootstrap, Java-Swing, JUnit, MUI, React

Operating Systems: Linux, MacOS, Windows

Tools: Git/GitHub, SQL, Shell/Bash

Interpersonal Skills: Analytical Thinking, Business Management, Collaboration, Communication, Problem-Solving, Project Management, Team Leadership, Time Management, Excellent Oral Communication, Excellent Writing Communication, Focused, Flexible, Initiative, Organized, and Team Player

Relevant Courses: Computer Science, Data Management, Data Structures & Algorithms, Object Oriented Programming, Operating Systems, Software Architecture, Software Project Management, Software Quality, Web Programming

Languages: English

PROJECTS

Image Comparison (2022)

· Engineered and launched software that utilized random projection barcodes and a Hamming distance algorithm to compare a query image with a reference image dataset, resulting in increased efficiency and accuracy.

· Through effective coordination and guidance, my team efficiently formulated a user-friendly Graphical User Interface (GUI) that enabled the easy addition of reference and query images and displayed match percentages for each reference image, resulting in efficient and effective image comparison and analysis.

· Monitored and tracked project progress, using tools like Agile methodologies and project management software, to ensure timely delivery and successful completion of the project.

Hotel Search Site (2022)

· Managed and directed a highly-skilled team of software engineers to conceptualize, design, develop, and deploy an innovative and user-friendly hotel search and booking website

· Successfully led and coordinated with team members to allocate tasks and regulate project timelines, resulting in the timely completion of deliverables.

· Released the project as open-source on the widely used platform, GitHub, with the aim of sharing knowledge and promoting collaboration among developers, ultimately contributing to the growth of the open-source community.

EXPERIENCE

Supervisor
Shoppers Drug Mart   September 2017 - August 2020, Stouffville, ON

· Supervised a team of 20 employees and delegated tasks to ensure timely completion of daily operations.

· Managed inventory processing systems and ensured the accuracy of stock levels.

· Resolved technical issues within the store's internal systems, resulting in a 95% increase in efficiency.

EDUCATION

Bachelor of Engineering (Software)
Ontario Tech University · Oshawa, ON · 2020-Current