JOSEPH ANYIA

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TECHNICAL SKILLS

Programming Languages: Java | C | C# | C++ | Python | JavaScript | HTML/CSS | PHP | SQL
Technologies: Git | React | ASP.NET Core | Spring Boot | jQuery | Maven | Node.js | JUnit
Developer Tools and Software: Visual Studio | VS Code | IntelliJ | Eclipse | Figma
Operating Systems: Windows | Linux

WORK EXPERIENCE

IT Operations Specialist| *Java, Git, J Unit, Eclipse, Bitbucket* January 2022 –April 2022
Innovapost Canada, Ottawa ON

- Analyzed server data daily to identify under-utilized servers within the company, and used analysis results to optimize resource allocation
- Employed Java programming to automate gathering and analyzing server data, resulting in a 20% increase in analysis accuracy and a 35% reduction in processing time
- Troubleshot, incorporated new functionality, and optimized existing Java-based programs, leading to more accurate and reliable server utilization evaluations, and improved resource allocation decisions

PROJECTS

'Yet Another Map'– Map Companion| *JavaScript, HTML, CSS, PHP, SQL, GCP* September 2022–April 2023

- Led thorough requirements analysis, design, and implementation of an interactive travel map web application that provided smooth trip planning and documentation, enhancing user satisfaction and engagement
- Transformed complex Figma designs into a fully functional web application using HTML, CSS, and JavaScript, implementing interactive components to deliver a responsive user experience
- Integrated MySQL to streamline database management, resulting in a 40% reduction in data retrieval time for clients and enhancing cross-device travel information accessibility.

Amazing Online Bookstore| *Spring Boot, Maven, Thymeleaf, CSS, SQL, GitHub, Intelli J* March 2023–April 2023

- Developed an online bookstore web application alongside a team of 3 using Java Spring Boot, to offer users an easy-to-use online shopping experience
- Implemented user login and registration functionalities, optimized book search and filtering algorithms, leading to a significant increase in website navigation speed resulting in an enhanced browsing experience for users
- Incorporated Continuous Integration/Continuous Delivery principles, automating build and testing processes, and conducting code reviews for successful product deployment

Face Detection Model | *Python, Google Colab, Pandas, PyTorch, TensorFlow* November 2022 – December 2022

- Created a face detection machine learning model using Python, leveraging advanced libraries such as PyTorch and Pandas for efficient implementation
- Utilized Google Colab as a collaborative platform, ensuring seamless integration and development in a shared environment
- Conducted thorough analysis of facial recognition algorithms, optimizing model accuracy and performance through continuous experimentation

Elevator Control System and Simulator| *Java, J Unit, Eclipse, GitHub* February 2020–March 2020

- Designed an Elevator Control System and Simulator using Java which manages elevators, passengers, and floor requests in a simulated building
- Engineered a robust elevator subsystem architecture that facilitated real-time communication between elevators, floors, and the scheduler; enhanced system responsiveness, resulting in 30% reduction in average wait times
- Crafted a user-friendly console for real-time elevator position updates and fault indications, while conducting performance analysis to optimize system operations.

Requirements Analysis of Reservation Management System February 2020 – March 2020

- Prepared a comprehensive software requirements document for a restaurant reservation system, capturing 20+ functional and non-functional requirements which served as a blueprint for the successful development of the system
- Oversaw requirements elicitation, evaluation, and risk analysis ensuring that potential issues were identified and mitigated early in the project lifecycle, resulting in a reduced likelihood of costly delays or rework
- Generated intuitive UML diagrams, including class and use case diagrams, which clearly represented the project's requirements and facilitated seamless communication among the project team

Image Manipulation Software | *Python* September 2018 – December 2018

- Developed image manipulation software using Python, emphasizing the creation of diverse filters by manipulating individual pixels for artistic and functional enhancements
- Implemented pixel-level operations to achieve desired effects such as blurring, sharpening, and color adjustments, showcasing proficiency in image processing techniques
- Utilized Python libraries such as PIL(Pillow) for image handling and manipulation, ensuring a streamlined development process

EDUCATION

Bachelor of Engineering, Software Engineering
Carleton University, Ottawa, ON, Canada

Relevant Coursework: Object Oriented Programming and Design | Algorithms and Data Structures | Web Development and Design | Database Management Systems | Software Project Management and Quality Assurance

ADDITIONAL EXPERIENCE

Customer Service Team Lead April 2021 - Present
Metro, Ottawa, ON

- Used excellent communication skills in engaging with customers and effectively determine their requirements
- Engaged customers in social conversations to provide a friendly atmosphere and smooth shopping experience
- Conducted thorough training sessions for 10+ newly hired staff, successfully conveying knowledge of store policies, processes, and customer service norms, leading to a reduction in onboarding time and improved team performance