TEDROS TSEGAY 206-883-0780

SOFTWARE ENGINEERING [ttsega03@gmail.com](mailto:ttsega03@gmail.com)

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| **SOFTWARE SKILLS PROFILE**   * Object-oriented programming (OOP) experience in Java, C#, C++, C * Web development using JavaScript, React, HTML, and CSS * Algorithms completed in Java, data structures in C++, Operating System in C * Experience with ARM Assembly, Raspberry Pi, Arduino, and IOT devices * Relational, SQL, and NoSQL database experience using MySQL and AWS RDS/DynamoDB * Distributed computing, cloud services, virtualization, and storage using AWS. * Cloud computing and database application development in .NET/C# and Java * Machine learning, AI using Python, R, and Jupyter * Team capstone built with React, AWS Cognito, S3, DynamoDB, Lambda, EC2, Drone, OpenCV python.   **HARDWARE SKILLS PROFILE**   * Embedded System Development: Proficient in designing, programming, and deploying embedded systems Using platforms like Arduino and Raspberry Pi. Experienced in integrating sensors and actuators to create Smart devices and loT applications. * Computer Architecture: Strong understanding of computer architecture principles, including CPU design   Memory management, and system performance optimization techniques   * Virtualization Technologies: Skilled in using virtualization tools (e.g., VMware, VirtualBox) for creating and managing virtual environments, aiding in software development and testing   **PROFESSIONAL EXPERIENCE**  FIVERR | WEB DEVELOPMENT(FREELANCE)  Jun 2024 – Present   * Designed and developed custom websites for a diverse range of clients, ensuring user-friendly interfaces and responsive designs. Collaborated with clients to gather * requirements, propose solutions, and deliver projects on time. Utilized HTML, CSS, JavaScript, and frameworks like React.js to create dynamic and interactive web pages. * Delivered projects using agile methodologies, maintaining clear communication via Fiverr’s platform and tools like Zoom and Trello.   BELLEVUE COLLEGE | SOFTWARE DEVELOPER  June 2022 – Jun 2024   * Developed a web application that utilized a drone to capture plant images. Images were stored in an AWS S3 bucket using Python for efficient data management. * Implemented machine-learning techniques for plant disease prediction. Created an AWS EC2 instance, set up a Jupyter notebook, and developed Python scripts for training, testing, and validation. * Employed AWS DynamoDB to store machine learning outputs, which consisted of predicted disease * Implemented notification features to inform users about their plant's health status within the web application   MTRWESTER | IT SYSTEM SPECIALIST  September 2018 – June 2022   * Develop and maintain comprehensive documentation for IT systems operations, system configurations, and troubleshooting guide * Provide technical support and training to end-users, ensuring the resolution of issues with high satisfaction. * Evaluate and recommend new technology solutions to improve organizational productivity.   **EDUCATION**  UW Tacoma | A.S. in Computer Science BELLEVUE COLLEGE | B.S. in Computer Science Graduation Date – June 2024 | **WEBSITE**  ([mesteddy.git](https://mesteddy.github.io/Portfolio/) [hub.io)](https://mesteddy.github.io/Portfolio/)  **CAPSTONE**  https://github. com/ttsega06/  22-  GardenMonitor  ing  **LinkedIn**  https://www.lin kedin.com/in/te dros-tsegay- 8499a4140/  **LANGUAGES**  Java C++  Python  SQL  **SOFTWARE**  VSC  ode Intel  liJ MySQL  Oracle Robo3T MS Excel MS Word  AWS |