Joseph Steeb

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EXPERIENCE

Data Migration Specialist *06/2024 – Present*
Levitek, Spokane, WA
- **SQL Development:** Developed SQL queries utilizing joins, and aggregate functions, to provide insights to clients, and restructure data into an intermediate form.
- **C# Development:** Developed C# scripts to transform data based off of client needs. Including parsing customer documents, and use of linq and regular expressions.

IT Technician & Programming Support *07/2023 – 5/2024*
Institute for Shock Physics, WSU Pullman, WA
- **UI Development:** Developed an interactive front end for legacy ballistic calculation software using Python and the Qt toolkit, significantly enhancing usability and efficiency. This update reduced calculation time by five minutes per iteration and expanded access from a single engineer to a team of 6 engineers and lab technicians.
- **IT Automation Scripting:** Developed a Python script that processed endpoint security reports and interfaced with the department inventory system to identify the location and responsible parties for devices with security vulnerabilities. This tool efficiently managed security data for over 100 devices, enhancing vulnerability response time.
- **License Server and Active Directory Management:** Managed user groups in active directory, and configured license servers.

IT Technician *12/2021 – 06/2023*
Carson College of Business, WSU Pullman, WA
- **Ticket Management with Jira:** Managed and resolved IT support tickets.
- **Computer Repair:** Troubleshooted and upgraded department devices.
- **Software Installation:** Created and managed deployment of software installation packages.

EDUCATION

Bachelor of Science, Software Engineering *Jan. 2020 – May 2024*
Washington State University, Pullman

PROJECTS

Visualization Tool (JavaScript, React, D3.js) *03/2023*
Developed an interactive web tool using React and D3.js to visualize the network of Affiliates within the Center for Environmental Research, Education, and Outreach at WSU. Integrated a Flask REST API to query data from a MySQL database. Applied test-driven development with Jest and Selenium. Deployed the application using Docker and Azure.

Graphing Application (C++ GTK) *12/2022*
Developed a desktop graphing app using C++, CMake, and the GTK toolkit; used to plot functions entered by the user.

Multi Factor Authentication Demo (Javascript React) *12/2022*
Developed a secure user authentication React application with SHA-256 password hashing and two-factor authentication.

SKILLS

Knowledge: Software Engineering, IT Systems Management, Data Analysis, Windows, Linux, Azure, Docker, Jira, SQL Server Management Studio

Technical: Unit Testing, Shell Scripting, Problem-Solving and Troubleshooting

Languages: JavaScript, React, Bash, PowerShell, C, C++, Python, C#, .NET, Java, SQL, SQL Server, MySQL, SQLite