JACOB C. BARKER

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WORK EXPERIENCE

Weber Area Dispatch (October 2015 – May 2020)   Ogden, UT
IT Specialist / Software Developer – Full Time

- Developed a 911 dispatch backup web application that allows 911 call takers to manage new calls and import calls from a replicated database of the main 911 dispatch system. 911 dispatchers no longer lose any call information when the main system goes down unexpectedly and their response times have dramatically improved during system downtimes.

- Developed a training application to track and rate new 911 dispatchers progress during their training period. The system for training new dispatchers is now much more organized which helps to train higher quality 911 dispatchers.

- Developed a web application that displayed active 911 calls for media companies, they can now see 911 calls with masked addresses and limited information. This saved dispatchers and media companies time and resources as previously they would call in to 911 dispatch to stay up to date on what was happening in the county.

- Developed a tow rotation web application, tow companies in Weber and Morgan county can now easily see where they are at on the rotation. This saved time and resources for the 911 dispatchers and tow companies because they no longer need to call in to ask where they are at on the list.

- Maintained several networks by installing and configuring new network switches, managing the firewalls, and running and terminating cables.

- Managed backup infrastructure for organization by setting up multiple automated data backups throughout the day/week to ensure data recoverability.

Tooele County (August 2018 – September 2018)
.Net Web Developer – Contract

- Developed an Inmate Roster web application so the public could view inmates, their list of charges, and bail information.

- Developed a tow company rotation web application so tow companies in Tooele County could know where they were at on the rotation list.

Ogden City, Municipal Building (April 2013 – October 2015)   Ogden, UT
IT Helpdesk – Part Time

- Managed remote software deployment system, I created many of the deployment packages often involving a script with Bash or PowerShell.

- Managed Active Directory server by adding/changing/deleting users, groups, and computers.

SKILLS

- Programming Skills: C#, Java, .Net Core, PHP, .Net Framework, JavaScript, jQuery, SignalR, NodeJS, Python, Bash, PowerShell, Azure, SQL, HTML, CSS

- Technical Skills: Network Configuration, VMWare, Database Administration, Linux, Windows, Backup Management, Antivirus Management, Troubleshooting

PROJECT EXPERIENCE

Weber State University
.NET (C#), JavaScript, SQL

- Group project that developed a website application for a Women's School in Mozambique. The website managed students, classes, assignments and the rating system for new student applications.

EDUCATION

Weber State University (Graduated December 2019)   Ogden, UT
Bachelor of Science in Computer Science