DALE STANFORD

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# SUMMARY:

* Senior Software Engineer Developer with extensive experience in software development developing applications creating products supporting monitoring and maintenance of servers and other various industrial systems.
* **Problem Analysis & Resolution** – Skilled in overall assessment and understanding of issues. Provide evaluation of solutions paths and implementation.
* **Team Leadership** – Work with team members to develop and implement solutions to issues and designs working in an agile framework.
* **IoT Based Technologies** – Learning to Implement Edge nodes and monitoring processes with Web and non-Web based programs using Amazon Web Services.
* **Server Based Technologies** – Developing applications to monitor and maintain Server based computing systems.

# TECHNICAL SKILLS:

Windows Linux C# C/C++ .Net Framework SQL Python XML HTML CSS JSON JavaScript jQuery

# EDUCATION:

* **Bachelor of Science,** Computer Science, University of Houston
* **Associate Science,** Electronic Technology, San Jacinto Jr. College

# PROFESSIONAL EXPERIENCE:

**National Oilwell Varco,** Houston, TX 9/**2019 – 9/2020**

**Software Developer**

* Software Engineer in the CTES (Coiled Tubing Engineering Services) group. Developing the latest Cerberus 14.0 Well Intervention and Completion modeling simulation program using VB and C# with Entity Framework.

**Mphasis at Hewlett Packard Inc,** Houston, TX 5/**2019 – 9/2019**

**Software Developer**

* Implementing CI (Continuous Integration) for test automation of system functions using SpecFlow with C#. CI enables continuous verification of all system functions during the development process reducing risk for process flaws to migrate to customers.
* Automating various processes in the code signing process of system components to ensure accountability of all software components. Value created is less human intervention is required.

**Insight Global at Hewlett Packard Inc,** Houston, TX **2018 – 2019**

**Software Developer**

* Ensure installed filesystems are deployed in a secure manner in the PRISM global manufacturing environment. Create **C# DLL** validation and verification of all file components in Golden Master filesystems with hash SHA256 values for created and delivered filesystems. Integrated this **C# DLL** into **C++** manufacture control system in a larger Global Infrastructure.

**DNS Computing,** Houston, TX **2017 – 2018**

**Independent System Engineer**

* As an independent Software Developer/Engineer I help other companies solve existing software problems, create new products to add value and monitor intelligent components. Creating web-based management systems.
* Increase the life of industrial battery backup systems by creating the software and firmware portion of the BMARS Battery Maintenance and Recharge System.
* Created a **C# WinForms** Graphical User Interface and **C** microcontroller firmware to monitor an Industrial Battery Backup power system. Learned **C#**, **WinForms** API and **C** programming of PIC24F microcontrollers. Algorithms acquired from Battery and Electrical engineers. Saves thousands of dollars from premature battery failure.

**Hewlett-Packard Co,** Houston, TX **2010 – 2017**

**System Engineer V**

* Developer on the HPSUM (HP Smart Update Manager) tool team to update Operating System drivers and Server firmware. Programming languages **C/C++**, **Qt**, **Python**, **XML**, **JSON** and Agile methodology used in this project management.
* Reduced time spent by developers debugging software/firmware updates to HPE Servers and customers calls to support center due to faulty update components. Acquired the necessary **Python**, **XML** and **JSON** skill sets. Completed tool to validate Meta data and update component.
* Created a catalog of update components the HP Smart Update Manager (HPSUM). Acquired training for **Qt** and HPE Servers. This catalog enables the HPSUM update engine to acquire update component knowledge in a consistent and efficient manner.
* Provide firmware and device driver update to VMware servers. Acquired **gSoap**, knowledge of VMware MOB (Managed Object Browser) skills. HPSUM can manage a suite of consistent updates to multiple VMware servers in a single session.
* Resolve QA issues in the HPSUM User Interface. By assisting in this effort when QA issue load was excessive team was able to meet development date goals.

**KForce at Hewlett Packard,** Houston, TX **2004 – 2010**

## Senior Software Developer

* Contract team member to develop of the HPSUM (HP Smart Update Manager) tool to update Operating System drivers and Server firmware.
* Created with a team an architecture for firmware and software using **C/C++ Qt** executing update management to achieve greater success in configuring HPE Servers in the factory and for customers upgrading existing servers.

**BMC SOFTWARE,** Houston, Texas **1995 – 2002**

## Staff Product Developer

Developed system and application management products for UNIX and Windows. Integrated system and application management information to business objects and frameworks.

* Create Patrol Knowledge modules using **C** and **PSL** (Patrol Scripting Language) for monitoring various databases and server hardware bringing this information into a common management system. This effort enables System Administrators to monitor and manage local and remote system in an enterprise environment.
* Create an SNMP based Patrol Knowledge Module using **PSL** to monitor health and performance of ProLiant servers for a company’s 600 departments stores in the US.
* Prototyped placement of the Patrol Agent in intelligent I/O boards managed by **VxWorks** for performance and monitoring abilities.

# VOLUNTEER EXPERIENCE:

* Providing software development and problem-solving support for http://themakerbarn.org.  
  Problem solving of the MACS (Maker Access Control System), an internal web-based system which controls power to machines in the barn to Users who have been certified to a machine. Will develop addition internal User web-based access systems using **C/C++** (Particle Photon SBC), **PHP**, **MySQL**, **Linux**, **JavaScript** and **jQuery** tools

# PROFESSIONAL DEVELOPMENT:

* ACM member
* Participation in various Meetups and Webinars