**Alan Pham**

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**OBJECTIVE To obtain a job within my chosen field that will challenge me and allow me to use my technical skills and past experiences in a way that is mutually beneficial to both myself and my employer and allow for future growth and advancement.**

**TECHNICAL SKILLS**

With over 25 years of experience in Quality Assurance, Project Management, documentation, test planning/reporting, in a highly structured development and Q/A environment In addition, performed all levels of testing including Manual, Automation, Performance, Regression, Integration. Highly regarded for possessing effective management, project planning, communication, collaboration, integrity, commitment, and motivation, and multi-tasking skills.

**EXPERIENCE**

**Marvell Semiconductor Inc Irvine, CA**

**(Qlogic Corp/Cavium/Marvell) March 2001- Present**

**Staff Engineer**

**Windows DVT – Design Verification Test**

* Windows Hardware Quality Labs (WHQL) – Responsible for all Windows Hardware Certifications for Marvell’s Converged Network and Fibre Channel Adapters~~.~~
* Validated one of the industry’s first Premium Certified Windows Drivers for Software Defined Data Centers (SDDC) using Microsoft’s Private Cloud Simulator (PCS)
  + In addition to validating Windows Server Operating systems, I have worked on various other environments including AzureStack HCI and Server Core
* Deployed and managed Windows Cluster environments using the new Windows Admin Center
* Assessed and verified the quality of QLogic’s Fibre Channel/FCoE/iSCSI/Enterprise Ethernet Network Adapter products in Windows and Linux Operating Systems.
* Isolated problems in FC/FCoE/Network test environments using trace analyzer, debug driver, windbg and dbgview
* Worked closely with Microsoft Engineers in Redmond on new test tools and procedures, including the PCS test suite introduced with Widows Server 2016
* File and track bug reports on Microsoft Collaborate for Microsoft specific issues pertaining to the Operating System or the WQHL/HLK test kit.
* Worked closely with Internal Development Managers and Engineers to report, replicate and resolve bugs
* Tracked project status, test cases, and bug reporting using IBM ClearQuest and Remedy applications
* Experienced with Hyperconverged Infrastructure (HCI) deployments using Windows Failover Clusters and Storage Spaces Direct (S2D) with RDMA protocols such as RoCE and iWARP
* Installed multiple hardware and software configurations on various servers (IBM, Dell, HP, and Lenovo)
* Set up, configured and managed various FC/FCoE/Ethernet switches (Brocade, Cisco, Logic) and FC/iSCSI storage devices (HP, EMC, 3PAR, and Netapp)
* Created, configured and managed test topology based on test requirement specification, Test OS involved Windows servers 2003, 2008, 2008 R2, 2012, 2012 R2, 2016, 2019, and prerelease Windows Server vNext (2021)
* Tested drivers, firmware, product application, hardware interoperability and new features
* Performed various test cases in stress, performance, max adapters, functionality and compatibility in both Windows and Linux Operating Systems
* Participated in daily team meeting in project design, resources, reviews, issues and upcoming project
* Tools used: Medusa, IOMeter, PDTest, Finisar Analyzer.

**CMD Technology, Inc Irvine, CA**

**Design Verification Test April 1993 – March 2001**

* Manage and maintain Microsoft Certification (WHQL).
* Manage and maintain Novell Certification Lab
* Work with end-users and OEMs to resolve hardware/software problems
* Test and certify new PCI-IDE device drivers for PC platform
* Test and certify SCSI host and device compatibility
* Test RAID products, including Viper, Daytona, CRD-5000 and PCI-RAID
* Develop and maintain test log database for PC products
* Test and certify iSCSI storage tape drive
* On-site/Off-Site hardware and software technical support

**EDUCATION**

**Orange Coast College**

* Associate Degree in Arts
* Certificate of Achievement in Electronic Technology
* Professional Upgrade Certificate in Microcomputer Electronics

**Associated Technical College**

* Diploma in Microcomputer Technology

**Solution Technology**

* In-Depth Exploration of SCSI
* Introduction to Fibre Channel
* Fibre Channel Topologies

**MindLeaders**

* TCP/IP
* Cisco Related Series by MindLeaders CIT 642-831
* Cisco Related Series by MindLeaders CCNA 640-801

**REFERENCE** Available upon request.