# Dai Cao Vu

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Summary:

Software professional with over 25 years’ experience in Hardware/Software testing and development of various testing tools and test cases. Excellent at managing available resources and meeting dead-lines. Strive to raise quality standards. Experience in Agile process. Strong experience with Load/Stress/Resiliency/Performance testing. Comfortable handling multiple tasks and work independently as well as in a team.

Skills:

* Excellent in debugging/troubleshooting issues.
* Java, C/C++, Selenium, Perls/Python/Expect.
* GIT, Jenkins, Networking, Hadoop.
* Attention to details.
* Outstanding in motivating team members.
* Linux/Windows/iOS, SQL, Javascript.
* Solid analytical and problem-solving skills.
* Learn new technologies quickly.

**Experience**:

Oct/2012 - **Oracle Corp.**

current **Principal Software Quality Assurance Engineer.**

* Improved testing processes from working closely with Product Managements, Developers, Support Engineer, Release Engineers, other QA teams/members to develop test plans/test cases/automation requirements to ensure products were released with high quality standards. Served as technical lead to the QA group.
* Reduced product escalations from customers, by more than 95%, significantly by leading the test cases automating effort to improve use cases coverage and reduce execution time significantly from days to just a few hours so that use cases can be run more frequent on different customers envs. such as OnPrem, cloud, or in standalone envs. Automated tests were developed/executed using tools such as ant/Java/TestNG/Perls/Pythons/Selenium/Junit/HtmlUnit.
* Uncovered many critical bugs with the resiliency testing efforts which reduced downtime for customer envs. due to network errors. In effect, reduced escalations and cost to support customer’s downtime. This effort included automated test cases running in parallel using Selenium to perform UI customers’ use cases while simulating network error conditions.
* Identified bottle neck/concurrency/load balancing issues with tools developed for load/stress testing. Increased robustness of products that also reduced cost to hamdle/support customer issues significantly.
* Worked with Devs. on resolutions/resolving bugs/issues.
* Generated reports on testing results to stake holders.
* Leaded an over sea team qualifying critical patch set releases for OnPrem customers.

Mar/2005 - **Oracle Corp.**

Oct/2012 **Senior SQA Engineer**

* Created test plans and test cases to test new products and new features.
* Automated test cases using Java, Perl, HtmlUnit, Selenium, TestNG, shell scripts, SQLs, and using Oracle’s test framework.
* Helped with bundle patches qualification for existing customers.
* Load/stress testing.
* Provided technical assistants to a group of offshore programmers/testers in automating/testing various new products/features and patches.
* Involved in various new products development, helping defining testing process, and automate test cases to improve testing time and code coverage.

July/2000 - **Oblix Inc.**

Mar/2005 **Senior SQA Engineer**.

* Helped Customer Response Team in qualifying patches for customers.
* Created test plans and test cases to qualify many components and/or features of a complex product that does identity management, access control, and single sign on to different sites of the extranet and intranet.
* Did Black box testing on the various components, features of the product. This included installation and setting up on various platforms, basic acceptance, and functional testing of the product by using various automations test tools such as WinRunner and LoadRunner.
* Created WinRunner test scripts to perform UI testing.
* Executed white box testing of the various components of the product, authentication and authorization custom API testing, by developing plugins using c, c++, and java.
* Performed performance and resiliency/load/stress testing by using LoadRunner scripts.

Mar/1998 - **Quantum Corporation, Milpitas, California.**

July/2000 **Software Engineer.**

* Implemented a Database to keep track of the test matrixes and results by using SQL server 7.0, Visual C++, and HTML.
* Worked on Windows base programs that control temperature and altitude chambers to automate 4-corner and operation/altitude tests by using MFC and Visual C++ 6.0.
* Implemented a Windows test program to verify all standard Disk drives’ SCSI commands by using MFC, Visual C++ 6.0, and ASPI for Win32 from Adaptec.
* Designed and implemented a multi threads file transferred test using MFC and Visual C++ 5.0.
* Created test scripts to verify Fibre Channel drives by using the Xyratex pod and Xyratex’s FCL language.

Sep/1991 -  **Seagate Technology, San Jose, California.**

Mar**/**1998 **Software Engineer**.

* Designed a Disk drive simulator program by using C++ for use under Windows 95 and NT.
* Developed a Disk drive performance test for use under Windows 95 and NT using C++.
* Assisted disk drive engineers in analyzing and developing cache algorithms.
* Developed test software to measure Notebook computers’ battery life using C++.
* Designed a program to convert LBA-accessed locations to filenames using C.
* Developed a Windows 95 virtual device driver (VxD) that traces the IO stream to the hard drives. This tool was used extensively to measure performance of disk drives in Windows OS envs.
* Designed software test tools that check the conforming of disk drive to the ATA specification using C.

**Education** BSCS, San Jose State University**,** San Jose, California. 2001