Ukyo Duong
Software Engineer - Matterport Inc

San Jose, CA - Email me on Indeed: \underline{\text{indeed.com/r/Ukyo-Duong/17092ab8661bc997}}

Authorized to work in the US for any employer

WORK EXPERIENCE

Software Engineer
Matterport Inc   -   Sunnyvale, CA - May 2015 to Present

SDET with autonomous system focus)

- Architect and build a complete automation system integrated with third-party services and APIs from TestRail, Circle-Ci, Jenkins, Amazon S3, JIRA, and Slack
- Lead the automation team in developing codes to test all applications built at Matterport using many different languages including Javascript, Python, shell script, Swift, and IDE, frameworks, and tools, like GitHub, Webstorm, Atom, STS, nodeJS, Xcode, npm, nvm, pip, make, Selenium Webdriver, Protractor, Jasmine BBD, VirtualEnv
- Responsible for first design of automation for each product at Matterport from unit tests, API, to functional UI tests
- Setup up an http server and build a complete web application for in-house use, via HTML, CSS, SQL, jQuery, ExpressJS, ExecutiveJS, Postgres
- Write instructional documents and engineering memos in Confluence, and ReadMe.md
- Great understanding of the TCP/IP, Ajax, and promise/defer concept
- Manage and merge codes into master branch of repository
- Manage cron jobs and report tools

Software Engineer
Google   -   Palo Alto, CA - 2014 to May 2015

- Leading automation team on test development on GRC web product
- Fully tasked team player developer for Risk Analysis Application running on App Engine
- Manage Jenkins tasks and brief team on run status daily during Scrum meeting

Java Automation Engineer
Symantec Corporation   -   Palo Alto, CA - July 2013 to February 2014

Verify SSL products (domain, extended, wildcard) for three brands Thawte, GeoTrust, to VeriSign at Symantec related to online cryptographic technologies, RSA, SHA1, DSA, SHA2, ECC, and PKCS.

Senior Automation Engineer
CyDesign Labs, Inc   -   Palo Alto, CA - February 2013 to June 2013

Design and code programs within CyModelica platform using Java and Python, and some additional third party tools and plugins, on Mac OS, Windows, and Linux.
- Lead the UI automation effort for the FANG (i.e., Flat World) as well as create test automation framework development.

Software Engineer - Member of Technical Staff

Lawrence Livermore National Laboratory   -   Livermore, CA   -   October 2010 to November 2012

Build tools, and automate tests at the National Ignition Facility (NIF) for the experiment
campaign manager application suites to assure that they are working to specifications.
- Nuclear physicists can use these tools to look at experiment results, inventory, schedule,
approval, analysis, and more.

Software Engineer
Tybrin   -   Fort Walton Beach, FL   -   October 2009 to October 2010

Provide engineering support and software expertise in the integration of weapon systems, real- time and
simulation networks for test and evaluations, telemetry (data acquisition) systems,
post-test applications, decision support systems, command and control, and mission planning
systems software development testing.

Software Engineer
Boeing   -   Mesa, AZ   -   September 2007 to February 2009

Build and test the Operational Flight Program deliverable for the Block III software upgrade to the AH-64D
Longbow Apache attack helicopter. Software was installed and successfully flied by
U.S. Air Force pilot during fly test demonstration.

Independent Freelancer, Web Developer
San Jose, CA   -   September 2006 to September 2007

Web & media business entrepreneur

Software Engineer
U.S. Air Force   -   Sunnyvale, CA   -   June 2000 to September 2006

Build and test satellite software for Space Based Infrared System (SBIRS), and lead a team of engineers
working on API and Thermal Control Subsystem to achieve Software Item
Qualification Tests certified from the U.S. Air Force customer
- SBIRS is a component of the National Missile Defense which detects Global Nuclear Event, and sends early
warning to war fighters and the Pentagon.
- SBIRS was successfully deployed and provided services to the US government since
December 2006.

EDUCATION

Certificate in BOEING COMPANY
STANFORD UNIVERSITY   -   Mesa, AZ
2011

B.S. in Computer Engineering
SAN JOSE STATE UNIVERSITY
2004

SKILLS

PYTHON (5 years), SQL (5 years), Amazon S3 (2 years), Amazon Simple Storage Service (2 years), CSS
(2 years), Java (10+ years), Javascript (5 years), SQL (5 years), Web Development (5 years)

ADDITIONAL INFORMATION

Technical Skills

Version Tools: Clearcase, Telelogic Door, SVN, RCS, GitHub, Rally
IDE: Apex, Eclipse, TCCS, MVS, Spring Tool Suite, XCode, Atom, WebStorm
Frameworks: A2100M, NodeJS, Selenium, Android
Languages: C++, Java, Python, JavaScript, Ada95, Javascript, Bash Shell, Swift
Scripts: OASIS, SCL, Actionscript, Javascript, HTML, CSS
OS: OS X, Ubuntu, Unix, and Window, Windriver VxWorks, Raspian
Databases: Oracle, MySQL, SQL Developer, Postgres, NoSql
Media Tools: Adobe Creative Suite; familiar with a wide range of audio and video codec
Internet Prototcol: http, https, stmp
Test Tools:WebDriver, Jenkins, IBM Functional Tester, Junit, Nunit, TestNG, Unittest2,
Nosetests, Proboscis, Xpath, CSS Selector, DOM, Firebug, SLF4J, Protractor, npm
Cloud/Others: Amazon S3, Android SDK, Google App Engine, YAML, JSON, XML, CSS,
Mustache, Copilot, VirtualBox, Vagrant, Buganizer, Nero
Javascript Modules: ThreeJS, ExpressJS, ExecutiveJS, Jasmine
Third Party Services: BrowserStack, Circle-CI, TestRail, JIRA, Amazon S3