**Rosli Talib**

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**Github:** [**https://github.com/cromox1**](https://github.com/cromox1)

A highly technical software QA engineer with knowledge of GUI automation testing. Extensive experience in defining, executing and automating well-structured and comprehensive QA test plans for large enterprise solutions.  
Recent experience in testing Cloud solutions.

Also significant additional experience as a Systems Administrator and Systems Engineer in UNIX and Linux environments.

**Programming and software skills**

* Scripting – UNIX/Linux Bash (15 yrs), Python (3 yrs)
* GUI Automation – Selenium and Appium with Python3 (3 yrs)
* REST APIs – curl (Bash), Postman, other REST clients (6 yrs)
* Agile/Scrum (6 yrs)
* QA tools – VMware (9 yrs), QEMU on Ubuntu (1.5 yr), Jenkins, Atlassian Wiki (6 yrs)
* Test management solutions - Jira (7 yrs), HP Quality Centre (5 yrs)
* Development tools – Git, Svn, Maven, Ant (4 yrs)
* Databases – Postgres and MySQL (5.5 yrs), Cassandra+Zookeeper (1 yr)
* Programming – Java + Java IDE (Eclipse), C (2 yrs)
* Operating Systems – Windows Server (7 yrs), Linux (Red Hat, Ubuntu, SuSE) (15 yrs)
* System Administration / Systems Engineer
  + Linux – Ubuntu / Debian, RedHat / CentOS, SuSE - (10 yrs)
  + UNIX – Irix (SGI), Solaris (Sun Microsystem), AIX (IBM) - (7 yrs)
* Network technologies experience :
  + Domain Name System (DNS) – BIND/named , djbdns , dnsmasq
  + Windows Active Directory (AD) , Linux LDAP
  + Samba (SMB)
  + Linux Firewall (computing) – iptables + tcp\_wrapper + PAM
  + others – Apache (Web server), Squid (Proxy server)
* Network storage solutions :
  + NAS / SAN – SGI , Ciprico , IBM
* Cloud platforms, processes and tools (2.5 yrs)
  + Pivotal Cloud Foundry (PCF)
  + Tools: New Relic and Elastic Stack (ELKS)
  + Containers: Docker, LXC
  + Configuration management: Chef, Puppet
  + CI/CD: Jenkins, Hudson
* Good problem solving skills

**Degree**

* B.Eng. (Hons) Electrical, Electronics and Systems Engineering

National University of Malaysia (1992 – 1996)

**Certification**

* ISQTB – ISEB Foundation certified tester (CTFL)
* Red Hat Certified Engineer (RHCE) <https://www.redhat.com/rhtapps/services/verify/?certId=110-904-463>
* Red Hat Certified Technician (RHCT)
* Sun Certified Systems Administrator (SCSA)

**Honors & Awards**

* Excellence@EMC – Silver Award (2012)

(Excellent coaching for DPA 6 scripting skills)

* Excellence@EMC – Silver Award (2010)

(Planning, implementation and documentation of significant infrastructure improvements for HomeBase QA organisation)

**Work Experience**

**1) Personal Projects (Dec 2017 – Present)**

**Project: Selenium with Python3 (Automation Framework)**

* Selenium automates browsers – is an open source tool which is used for automating the tests carried out on web browsers (Web applications are tested using any web browser).
* Continue from Dell EMC eCDA’s Automation Framework with other personal projects.

<https://github.com/cromox1/Selenium>

**Project: Appium with Python3 (Automation Framework)**

* Appium is an open source test automation tool for mobile application. It allows you to test all the three of mobile applications: native, hybrid and mobile web. It also allows you to run the automated tests on actual devices, emulators and simulators.https://github.com/cromox1/Appium

**Project: Rosalind’s Problem (Algorithmic Heights and Bioinformatics Stronghold)**

* Rosalind is a platform for learning bioinformatics and programming (python) through problem solving.

<http://rosalind.info/users/rosli/>

**Project: Django (Python Web Framework) - (Oct 2018 – Present)**

* Django is a Python-based free and open-source web framework, which follows the model-view-template (MVT) architectural pattern. Its primary goal is to ease the creation of complex, database-driven websites. The framework emphasizes reusability and “pluggability” of components, less code, low coupling, rapid development, and the principle of don’t repeat yourself.

https://mengkome.pythonanywhere.com

**2) Dell EMC, Abingdon, Oxfordshire, UK - Senior Software QA Engineer (Apr 2008 – Dec 2017)**

**[ 115P Olympic Avenue, Milton Park, Milton, Abingdon, Oxfordshire OX14 4SA ]**

**Product: Dell EMC eCDA (Mar 2015 – Dec 2017)**

* eCDA is a Cloud based Analytics solution (SaaS) that pro-actively monitors enterprise storage for problems (invoke data-driven insights into the risk, efficiency and cost)
* This product has been cancelled since 17 Nov 2017 (and subsequent offices closures and I was **made redundant**), but the service still running : <https://www.emcecda.com>
* Designed, created and executed QA test plans for the automated and manual testing of the user security and accounts features of the eCDA product.
* Detected and helped close a security loophole involving none-business emails.
* Ensured the requirements for GUI security were met by writing REST API scripts.
* Advised, designed and implemented automated JUnit test cases ensuring sufficient test coverage was achieved.
* Deployed and maintained Cloud microservices in Staging and Production environments.
* Contributed to the successful implementation of new storage analysis reports and forecasting functionality via the provision of effective QA tests.
* Improved the team’s efficiency by writing scripts to automatically deploy microservices to Pivotal Cloud Foundry environments. Prior to this, QA testers needed to deploy microservices manually using slow and error-prone processes.
* Wrote and automated performance tests for eCDA which successfully identified the causes of slow performance. This involved writing a bash script to create many eCDA accounts simultaneously, and then testing to see if eCDA’s SaaS environment could handle registration during peak times. The tests also detected that eCDA was leaving many service ports open which impacted performance.
* Provided end of sprint live software demonstrations to interested parties and groups internationally.

**Product: EMC DPA (Sept 2013 – Mar 2015)**

* DPA is a server-based solution that monitors and reports on the health of an organisation’s entire data protection infrastructure.
* Performed system, performance, security and regression testing of the Data Protection Advisor (DPA) software product.
* Wrote and ran Python scripts to analyse and isolate the cause of slow performance when DPA was upgraded to java 8.
* Wrote a library of scripts that exercised the team’s suite of REST APIs, thereby significantly boosting test productivity.
* Tested a new security feature to allow user access to DPA via Active Directory (AD) and Unix LDAP.
* Tested customer escalated bug-fixes.
* Set up and maintained the team’s QA test lab servers: Networker, Avamar, email server, Unix LDAP, Recover Point Simulator, Storage Array Simulators (VNX), and also Linux servers such as RHEL and SUSE.

**Product: EMC ViPR (Aug 2012 – Sept 2013)**

* Designed and executed QA tests for EMC ViPR - a software-defined storage platform that abstracts, pools, and automates a data center’s underlying physical storage infrastructure
* Testing was performed using shell scripts (Bash), OVF images, REST API and RPM install.
* Created Python scripts that tested error handling, local mirror and Consistency Groups.
* Setup Recovery Point storage simulators as part of the testing.

**Product: EMC Homebase (Apr 2008 – Aug 2012)**

* Designed and ran QA tests for the EMC HomeBase enterprise disaster recovery software product on Windows, Solaris, HP-UX, IBM-AIX and Red Hat test platforms.
* Tested IBM and SunGard customer bug-fixes.
* Designed and implemented the QA test lab for the project including: Active Directory, LDAP, SMTP, Avamar, Networker, Storage Array Simulators (VNX and VMAX).

**3) Sime Darby, Kuala Lumpur, Malaysia - Senior Systems Engineer (Jun 1996 – Jan 2007)**

**[ 17st Floor, East Wing, Wisma Sime Darby, Jalan Raja Laut, 50350 Kuala Lumpur, Malaysia ]**

**Maintenance and Service of SGI IRIX & Linux servers and applications (Jun 1996 – Jan 2007)**

* SGI was an American high-performance computing (HPC) with its initial market was 3D graphics computer workstations/servers.

<https://en.wikipedia.org/wiki/Silicon_Graphics>

* Installed and administered customer SGI workstations and servers running 3D solutions for clients in the areas of film animation, car manufacturing, oil and gas.
* Provided technical support and repaired hardware on Sun, HP-UX, AIX, Windows and Linux servers.
* Configured 3rd party RAID Storage (Ciprico Fibre-Channel Array).
* Setup and resolved issues with customer Mail servers, Web servers, Proxy servers, TLS/SSL, IMAP/POP, NFS & NIS and DNS servers.
* Implemented transitions from SGI Irix to Red Hat and Debian Linux.

<https://lists.debian.org/debian-mips/2004/05/msg00135.html> (user xixa01)

* Supported Third Party software on SGI Irix : InsightII & Catalyst (Accelrys), CATIA (Dassault), Radar, Maya (Alias), CAT (SoftImage), Seismic/Geophysic software, MultiGen.
* Supported Third Party storage on SGI Irix : Ciprico RAID, EMC, Xyratec
* Configured SGI Irix to Windows filesystems/data communication : SGI CXFS, samba (SMB)
* Setup Linux Cluster (Beowulf Cluster and Rocks Cluster) for demo purpose.

**Availability**

Immediately

**Visa Information**

**Settlement** – Indefinite Leave to Remain in the UK (ILR).

**References**

1) Dell EMC HR Employment reference - [UK.HR.Ops@dell.com](mailto:UK.HR.Ops@dell.com)

2) Jonathan S.P. Smith (QA Manager – EMC Homebase, EMC ViPR, EMC DPA)

3) Ruth Cano-Mazo (Development Manager / Scrum Master – EMC DPA, Dell EMC eCDA)

4) Jayalakshmi Dandapani (QA Manager – Dell EMC eCDA)

**(Details available upon request)**