**Bek Nurmatov(510-575-2880)**

SR DEVELOPER/TESTER/CLOUD ENGINEER

**Summary:**

* 17+ years of industry experience including programming in Ruby, Python and testing of Web-based and Mobile applications.
* Strong expertise in Networking, Mobile, and Web technologies.
* Working knowledge of Software Development Life Cycle and Software QA Methodology.
* Analyze technical documentation for inconsistencies, ambiguities, incomplete requirements.
* Communicate effectively with management and peers to locate and resolve issues.
* Utilize ultimate test automation tools in the real life environment.
* Write test documentation such as test plans, test cases, test matrices, check lists.

**Technical Skills:**

**Automation Tolls: Selenium RC,JIRA, Apache JMeter,XCode, JUnit**

**Servers: Apache 2, Tomcat Server, DHCP Server .Samba,VM,Openstack**

**Database: MS SQL Server, Oracle, MS Access,PHPSQL**

**Networking: LAN/WAN, Cisco routers, Switches, WIFI, L2\L3\L7 layers, TCP/IP,**

**Strong Usage/Exposure: Automation Tolls: Unix # ,C#, Load Runner,KVM, Hyper V SoapUI, Maven, Selenium IDE/Watir,RESTful API,GIT,** Vagrant **ARM, Power Shell and SaaS. in SaaS/PaaS companies as DevOps engineer/ Archetect ,3D Max ,** **OpenGL, WebGL, DirectX , SkechUp Pro , 3 D Blender , Sculptris ,Zee Brush**

**Programming: HTML, XML, JavaScript, SQL,Python, RoR, C++, Perl,PHP Solid knowledge of Unix systems with ability to troubleshoot issues in complex, distributed, multi-tier architectures.**

**Platforms: Windows OS, UNIX/LINUX, MAC OS X, Android, Chrom, IOS,ESXI 5**

**Professional Experience:**

**TAWYN CEO /Founder . Apr 26 2015 – Present.**

**Tawyn.com (Under constraction )**

**Toolbox includes :**

**-RoR**

**-Vagrand**

**-AWS**

**- Puppet**

**- Chef**

**-LINUX**

**Project X global team creation(creator and architect ).**

**For <https://www.kickstarter.com>. Aug 5 2014-March 25 2015 .**

Currently working on 3d AI game. Release for PC, Xbox One, Amazon AWS,PS4 Cloud system(VM, Openstack)

Managing QA, code / software developers and Animators to stay on model with our look and style of animation.

Directing 3D animations used for a cutting edge IOS 8 , Android mobile game.

Planning scenes, character movement and directing animation.

Animating 3D characters using Python Blender.

2D graphics used for concept and in-game assets.

Contributed business vector to DevOpps .

Using Adobe products to create all creative deliverables, including CSS and active script .

Contributed to the SDLC development of the Studio's quality standards

Also build Puppet agents .

Created manifesto files for Puppet master.

3d printed robot parts for Arduino .

Created APP with Python and C++.

Automating web based app regression test using Selenium IDE .

Creating test framework ,based on Watir and Webdriver 2.

[**Firmware Test/Infrastructure Developer**](https://www.linkedin.com/search?search=&title=Firmware+Test%2FInfrastructure+Developer&sortCriteria=R&keepFacets=true&currentTitle=CP&trk=prof-exp-title)(Lead)

[LSI Corporation](https://www.linkedin.com/company/164778?trk=prof-exp-company-name) **San Jose** **February 2014 – Aug 1**

Supported script development for various tools and automated regression test infrastructure. Also to provided basic support for firmware and build automation tools including AccuRev, Jira, Code Collaborator, and Jenkins. Support for routine user admin tasks in the management and creation of ESXI (**Hyper V)** servers, applications, and mailing lists.

Experience in the storage industry (SSD, HDD, storage systems, etc.)

Experience with advanced NAND flash and other non-volatile storage

Daily Administration of Windows and Linux (RedHat) Experience running/administering engineering IT applications and VM servers (open stack ,puppet, VMware),VMware director

Design, develop, document, test, and debug new and existing software systems and/or applications for market sale or large-scale proprietary software for internal use.

Scripting skills including Python, Bash, Perl, Windows PowerShell ,Basic C/C++ programming skills Knowledge of storage technology and interfaces (SATA, AHCI, PCIe, Flash, SSDs)

Experience with setup, configure, and manage RDBMS, NoSQL, and big data severs(LDAP ,NIS)

Experience with troubleshooting and performance tuning in JVM, MySQL, MongoDB

Experience with Continuous Integration and related tools (e.g. Jenkins)

Extensive experience with Linux, particularly RedHat KVM/CentOS

Experience Using cutting edge technologies AngularJS, Puppet and Elastic search.

**Mosu Systems Jan, 2013 – Jan,2014**

**Senior Software Engineer(Director)**

**Design, Test Automation framework with Ruby or Python**

Created and architected new mini ARM device based on dual core Rockchip/cortex9 .

Initiated various Agile methodologies; Daily standup meetings, TDD, story writing, continuous integration, rapid release cycle

Extensive experience with Linux, particularly RedHat/CentOS

Experience with setting up monitoring tools, e.g. Nagios, GrayLog, Logstash.

Experience in 24x7 operations, overseeing sites with constant high traffic

Integrated windows 8 OS into ARM device .Build data flow bridge between VM OS to ARM devices.

Used Windows Azure to develop and test our application faster.Created a Visual Studio ASP.NET MVC 4 project ISO and publish it to a Windows Azure cloud

Cloud automation experience with tools Puppet and Chef

Used Windows Server integration with VM Esxi 5 .

Design new Gem file and Restfull API for android ARM and Ubuntu Touch .

**Integrated Ruby and Python scripting with Robotium/Selenium test framework. Created scripts for automation and manual testing.**

Arranged Sprint planning meetings.

Created reasonable adjustments with customers based on Agile methodology .

At the end of the project help to architect the migration process to AWS ( copy of whole local virtual infrastructure ).

**Cloud/Web Engineer (Freelancer) Lead Aug 2012 – Jan 2013**

Built out and configured multiple server environments (production, staging, demo) using Amazon EC2

Created a multi-tier ASP.NET web application and deploy it to a Cloud Service

Over 90% unit test coverage using RSpec,applications that target .NET Framework 4 or later

Ubuntu Touch. Integrated OS into mobile,smart phones and tablets

Android mobile API testing

HTTP Video Streaming and ABR Video containers - HSS, HLS and HDS

Create web application and architecture, using Python Django and related technologies for new feature development

Wrote automated functional and acceptance tests using Ruby-based test framework, C# and JVM-based languages with Calabash.

Work with both front and back end technologies.

In-depth experience with Python and related technologies: - Django, Django Template tags, filters etc. - Solango, Haystack - JavaScript, jQuery - HTML

Demonstrated experience in Haskell, Scala, lisp, Nosql databases

Integrated RESTful API

Setup Hudson CI server for managing automated build process

Took point on setting up Cucumber BDD framework for integration test coverage

**Cisco. Milpitas ,CA 2011Aug -2012Aug**

**Technical Consultant**

Strong experience of using network monitoring and analysis of tools WIRESHARK, IPTRAFF anddebugging Ethernet/Wireless/IP layer problems.

Built VLAB around L2/L3 (Ethernet, TCP/IP, and MAC), SNMPTRAP, HTTP, Linux/UNIX/Windows/MAC OS operating systems.

Extensively tested video quality, used IPERF for controlling data bandwidth on client side for bandwidth control test.

Experienced with WIRESHARK for analysing TCP-DUMP PCAP file and generation report for particular device IP under and tests.

Installed and configured Cisco router (3900 series and more) in test environment for bandwidth control test to gather TCP-DUMP on data flow after applying bandwidth policy map on the router.

Tested and implemented New Cisco technology related to R&D (proprietary & confidential) for next generation B2C and C2C technology yet to be launched in the consumer and business world.

Created software based on proxy server with reverse proxy API.

Adopted POSIX(Portable Operating System Interface part of Socket Programming) into project.

Reduced Linux firewall (IPtable) bandwidth for functionality test as a part of behind firewall testing.

Assisted development team on feature enhancement testing based on research on pilot systems, internal usage and defect tracking.

Extensive research and re-**verification test cases, automating test cases, and execution of automated and manual tests for Android application**.Assisted in setting up Demo for B2C for prospects and senior management.

Installed VMware ESXi infrastructure for virtualization of various demo environment for internal test development and build release.

Designed and developed an automated platform for testing VoIP and cloud based application for the HealthCare Industry. Developed multi-threaded test clients in Java using SIP and SOAP. Technologies involved include Cisco's Unified Call Manager(CUCM), Cisco Unified Presence System (CUPS), and Jabber.

Designed and implemented RESTFUL Web Services API's and Algorithms ,WDSL for SOAP

Tested in all browsers (Chrome, Opera, Mazila, IE and etc) integration between widgets and APL.

\*Was responsible for integration, architecture and coordination of the test activities for performance testing of the HSX HealthCare solution.

Managed, designed, setup and commissioned a virtualized environment using VmWareVSphere, VmWareESXi, and the HSX Solution providing a Cloud based SaaS solution and platform. This platform served for performance testing of the HSX solution.

Was responsible for deployment of the HSX solution at the customer site.

Used AGILE methodology with Spring Framework.Watir.

**Contra Costa College, San Pablo, CA 2010 -2011**

**IT/QA Consultant**

Tested company API built using XCODE.

Created API with Objective-C, Ruby on Rail, and Cucumber.

Built and created Automated Test with Calabash, Cucumber, and Ruby.

Created server using platforms such as Web Servers (Apache, Tomcat) ,Ant and Maven

Used Selenium and Apache JMeterto test Web sites and their systematic updates for functionality, usability, regression, performance, browser and operating systems compatibility.

Built the bridges between 802.11ac software (NEC, Motorola, Siemens, etc.) and tested them.

Wrote Perl scripts to parse large log files.

Debugged Linux Kernel in Centos and Ubuntu development packages.

Developed and maintained release acceptance tests using Selenium IDE, JUnit, and Eclipse.

Adjusted AP and switchbox through WLAN 802.11 a/b/g/n.

White box testing of Perl CGIs scripts for database access.

Located software defects and made them reproductive. Submitted bug reports using Mantis bug tracking system. Verified bugs, fixed them in new releases.

**JSCenter, Hayward, CA 2010**

**Mobile/VoIP Tester**

Tested implementation of mobile infrastructure and service configurations, which involved CISCO router/switch configuration, capacity planning, and modernization of supporting systems, integrating L3 switches to support Quality of Service, CISCO VoIP, PBX and WIFI network.

Estimated Voice and Video traffic on the core switch for the entire LAN.

Worked closely with VLANs (to provide the segmentation services); multiple Layer 3 (L3) networks on the same Layer2 (L2) switch;

Installed and performed QA of wired and wireless tasks over networks.

Used tools like Apache JMeter, JUnit, TestNG and mock test.

**RadioShack, San Bruno, CA 2005 - 2009**

**QA/IT Specialist**

Provided custom design, white and black box testing, troubleshooting for company clients (media companies and educational institutions).

Supported Credit Risk system by writing Perl scripts and Autosys jobs to process large feeds and query databases from business divisions and updated databases with current positions and market data to allow downstream systems to determine credit risk.

Tested corporate web site for functionality, browser and OS compatibility at all the stages of development. Reported numerous bugs of all the severity levels.

Implemented Selenium IDE/RC for automating regression testing of new builds.

**ASAP Tickets, San Francisco, CA 2003 – 2005**

**Software Quality Analyst**

The company sells International and Domestic airfare. It maintains numerous web sites, which generates phone leads to the corporate call center.

Tested Web sites and their systematic updates for functionality, usability, regression, performance, browser and operating system’s compatibility.

Developed detailed test procedures for user acceptance testing

Validated data flow between in-house Point-of-sale Software and APPOLO/GALILEO and WorldSpan travel networks.

Developed and maintained automated release acceptance tests using Selenium IDE, Java, and Eclipse.

Submitted bug reports using Mantis bug tracking system. Verified bugs and fixed them in new releases.

**Lufthansa Cargo Management, Atlanta, GA 2002 –2003**

**Software Engineer**

Enhanced Perl scripts to use centralized XML configuration files.

Tracked down problems with Perl scripts related to data file, data feed, and programming errors.

Implemented hardware/software solutions on a timely basis to maintain compliance to airline security policies & government regulations regarding information security.

Supported worldwide system and network infrastructure consisting of 20 Windows servers and 6 UNIX servers interconnected with mainframe through Cisco routers. Investigated and resolved performance issues demonstrating strong diagnostic skills across multiple platforms.

Supported & maintained different types of servers @ six nationwide locations with different types of operating systems: UNIX, Windows server & MS SQL Server.

**Daewoo, Tashkent, Uzbekistan 2000 – 2002**

**Software Developer**

Created closed Intranet structure based on Unix,powered by Python-based browser

Build SQL data base using Oracle servers.Created libraries for Ruby.

Performed software developer and QA duties on site.

Used Ruby as an interpreted language on a server machine like a Web server where it is used as an interpreted language to run CGI or create Web forms and cookies.

Embedded Ruby into HTML documents.

**Siemens Lab, Tashkent, Uzbekistan 1996 – 2000**

**Software Developer**

Developed large-scale distributed applications with a variety of programming languages and platforms, including C/C++,Python, Ruby, J2EE, and .NET

Facilitated in setting Apache web server authentication of users.

Developed Perl scripts for populating database with test data.

**Education & Training:**

Computer & Communication Technology, Contra Costa College, San Pablo, CA, 2010

MBA, Tashkent University, Tashkent, Uzbekistan, 2002

BS in Computer Science, Tashkent University, Tashkent, Uzbekistan, 2000