**SUMMARY**

* Senior DevOps Engineer 18 years in equivalent architecture role in public cloud or hybrid cloud environment
* Experience as full stack engineer and architect, with understanding of storage, network, compute, virtualization, automation, and software architecture
* Prior experience with Managing Cloud/DevOps teams
* Background in long term Cloud sustainability: experience in dealing with multi clouds including and specifically from cost effectiveness, through evaluation of core cloud technologies across main cloud vendors AWS, Azure, GCP
* Extensive experience in automation from CI (incl Release Engineering) to CD to Operations (including alerting, monitoring and metrics at scale), multiple automation frameworks
* Experience with generations of cloud technology, including established automations using terraform, puppet, salt, ansible, etc to how things change with Kubernetes
* Experience with Git and Jenkins, preferred, alternative frameworks and tools.
* Experience with multiple data technologies RDBMS, hdfs, non-SQL, KV Stores, etc. Experience operating clusters of Big data technologies like Apache Spark, Kafka, Dremio, Elasticsearch etc. at scale and strong understanding of distributed data processing concepts.
* Experience in collaborative Cloud and SW engineering shops, where concepts of embedded SRE or DevOps into SW Scrum
* Multi-lingual: English, Russian, Ukrainian & Turkish, Uzbek

**SPECIALTIES**

Platforms: AWS, Terraform, Jupiter, OWASP, CMS, AWS CloudFormation, Azure, Google Cloud, Docker

Programming: HTML, XML, JavaScript, SQL, Python, Perl, Ruby, VBS

Test Automation: Selenium IDE/RC, Appium, ADB

**Key Skills:**

Authentication systems

System, platform, and account migrations

Data and cloud security

AWS cloud infrastructure

Virtual environment design and implementation

**PROFESSIONAL SUMMARY**

**TAWYN - Mar 2015 - Present (6 years 3 months +)**

**AI Research Scientist**

* iOT project that is under NDA and cannot discuss technologies created and limited on techs used
* Used Python Pandas, AI Expert, Ruby, Node.js

**AI Expert in VR/ AR Game and financial BOT AI**

* Project for simulation for self-driving cars under NDA. Now being used for actual self-driving vehicles. Under NDA cannot disclose creation and limited on the technologies used
* Used MEAN stack development with Python and Node.js

**AI Expert**

* Project for platform for selling crypto and stocks in AWS under NDA. Limited information on techs used
* Used Python, Django, Ruby/Rails, AWS, SaaS

**LSI, an Avago Technologies Company Feb 2014 - Aug 2014 (7 months)**

**Firmware Test/Infrastructure Developer**

* Supported script development for various tools and automated regression test infrastructure
* Provided basic support for firmware and built automation tools including AccuRev, Jira, CodeCollaborator, and Jenkins
* Supported routine user admin tasks in the management of servers, applications, and mailing lists
* Administered Windows and Linux (RedHat)
* Ran and administered engineering IT applications and servers Scripting skills including Python, Bash, Perl, Windows PowerShell, Basic, C/C++, programming skills
* Storage technology and interfaces (SATA, AHCI, PCIe, Flash, SSDs)

**Mosu Systems Jan 2013 - Dec 2013 (1 year)**

**Senior Software Engineer**

* Design, Installation, Configuration and maintenance of VMware EXSi Infrastructure
* Installation, Configuration and Administration of VMware VSphere4, ESXi 5.x Servers.
* Virtual Networking(Virtual Switches, VM Kernel Ports) and Virtual Storage (Access Control and VMFS Data stores)
* Integrated with offshore developed client portal built on Ruby on Rails and Postgres, SaaS testing environment
* Creation, Management and Configuration of ARM based technologies

**NETWORK-SECURITY-SOLUTIONS Sep 2012 - Jan 2013 (5 months)**

**Cloud/Web Engineer**

* Built out and configured multiple server environments (production, staging, demo) using Amazon EC2
* Created a multi-tier ASP.NET web application and deployed 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
* Create web application and architecture, using Python Django and related technologies for new feature development
* Used XP and Functional programming
* 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 Aug 2011 - Sep 2012 (1 year 2 months)**

**Consultant**

* Extensively tested video quality used iPerf for controlling data bandwidth on client side for bandwidth control test
* Experienced with Wireshark for analyzing tcpdump 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 tcpdump 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
* Assisted development team on feature enhancement testing based on research on pilot systems, internal usage and defect tracking
* Extensive research and re-verification of all major issues in field related to a broad Cisco technology implementation related to TelePresence, Voice over IP and Cloud implementation.
* 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), Jabber
* 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 VMware, VSphere, VMware ESXi, and the HSX Solution providing a Cloud based SaaS solution and platform. This platform served for performance testing of the HSX solution
* Responsible for deployment of the HSX solution at the customer site

**Contra Costa College Sep 2010 - Feb 2011 (6 months)**

**IT/QA Consultant**

* Tested Company API built using XCODE
* Used Selenium to test web sites and their systematic updates for functionality, usability, regression, performance, browser and operating systems compatibility
* Wrote Perl scripts to parse large log files
* Verified the functionality of stored procedures by inspection of the Oracle DB
* Developed and maintained release acceptance tests using Selenium IDE, JUnit, and Eclipse
* White box testing of Perl CGIs scripts for database access
* Located software defects and made them reproducible. Submitted bug reports using Mantis bug tracking system Verified bugs fixed in new releases
* Developed application using components of iPhone SDK 3.x/4.x, HTML5, CSS3 and Adobe ,JQuery.
* Wrote C Shell scripts to automate testing
* Utilize Jira Agile Project management software

**Wireless Technology Jan 2005 - Feb 2011 (6 years 2 months)**

**QA specialist, consultant, WIFI network engineer**

* Provided custom design
* Managed projects
* Troubleshooting for some successful media companies and educational institutions
* Maintained and enhanced mobile network, involving design, implementation, and migrations
* Architecture included quality of service configurations, CISCO router/switch configuration, capacity planning, and modernization of supporting systems
* Installed and performed QA of wired and wireless tasks over networks to maximize operations
* Consulted clients on the issues based on bugs reports
* Lead team of volunteers and paid testers
* Coordinated projects, testing process and assisted in writing documentation
* Work with customers to troubleshoot issues in the field and implemented test plans
* Built CISCO VoIP systems, installed PBX and WIFI network
* Implemented strong time management policy

**JSCenter Mar 2010 - Dec 2010 (10 months)**

**Mobile/VoIP QA Tester**

* Tested implementation of mobile infrastructure and services configuration, 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
* Develop ASP.NET in C#, VB.NET and Microsoft Word/Excel templates
* Used tools like JMeter, the Grinder and TestMaker
* Extensive development of flash based animation, effects and transition for market based web sites and online surveys
* Worked with Adobe Photoshop and fireworks to create graphics for different site
* Used Flex HTTP Service, to consume and parse the XML files and represent that in the form of charts and other menu and tree list. The app provides filtration of the data on the basis of the release build and the machine

**RadioShack Oct 2005 - Aug 2009 (3 years 11 months)**

**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 update 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 Sep 2003 - Sep 2005 (2 years 1 month)**

**Software Quality Analyst**

* Tested web sites and their systematic updates for functionality, usability, regression, performance, browser and operating systems compatibility
* Developed detailed test procedures for user acceptance testing based on JUnit
* 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 fixed in new releases.

**Lufthansa Cargo Management Jul 2002 - Oct 2003 (1 year 4 months)**

**IT Specialist**

* 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 Jan 2000 - Jan 2002 (2 years 1 month)**

**Intranet Software Developer**

* Created closed Intranet structure based on Unix, powered by Python created browser
* Build SQL data base using Oracle servers
* Performed software developer and QA duties on site
* Created library for Ruby and other open-source software
* 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 Jan 1996 - Jan 2000 (4 years 1 month)**

**Software Developer**

* Developed large-scale distributed applications with a variety of programming languages and platforms, including C/C++, Python, Ruby, J2EE, and .NET
* Published Articles in local software journals and wrote several other popular articles about Python as a high-level, interpreted language
* Develop of a wide range of applications, from simple text processing to WWW browsers to Educational games
* Structured a method of programming designed to help make large programs easier to read
* Created new methodology over Object-Oriented Programming

**EDUCATION**

**Western Governors University Master's degree 2020 - 2021**

**Cybersecurity and Information Assurance**

WGU’s online Master of Science Cybersecurity and Information Assurance degree program is closely aligned with the National Initiative for Cybersecurity Education (NICE) and was designed with input from cybersecurity experts and leading IT employers to meet the most recent U.S. Department of Homeland Security (DHS), and National Security Agency (NSA) guidelines.

**TSTU 2000 - 2002**

**MBA, Economy**

Help to create peace and prosperity among less financially fortunate students.

**TSTU 1996 - 2000**

**BS, Computer Science**

**Licenses & Certifications**

Android Forensic - Android Forensic

Google IT Support Professional Certificate Specialization - Coursera Course Certificates - 7Z7AVY6LZARN

IT Automation: It’s not that scary! - Coursera Course Certificates - 7BYNDF8QZB33

IT Security: Defense against the digital dark arts - Coursera Course Certificates - PFTPQQHFZS8U

Operating Systems and You: Becoming a Power User - Coursera Course Certificates - WR2CVJUCZJBG

System Administration and IT Infrastructure Services - Coursera Course Certificates - CBEYSN9SL2TK

The Bits and Bytes of Computer Networking - Coursera Course Certificates - 357H8773ALFH

Technical Support Fundamentals - Coursera Course Certificates - VFZY8VHDDFVA

Game Design and Principles of Game Design Development - Coursera Course Certificates

IBM Data Science Professional Certificate

IBM AI Engineering Specialization – Coursera - NUVR8NDLYH6B

IBM Data Science Specialization – Coursera - UM26FXL4ELZP

Crash Course on Python – Coursera - MSBN2XPB6S8M

Using Python to Interact with the Operating System – Coursera - 44M7KEU8RS3M

Configuration Management and the Cloud – Coursera - NVCDRU249YYZ

Google IT Automation with Python - Coursera

AWS Cloud Architect Nano degree Program - Udacity

EC-Council Certified Ethical Hacker (C|EH) - EC-Council - Issued Feb 2021 - Expires Feb 2024

**Honors & Awards**

Android Forensics Investigation Certificate – Concise Courses Aug 2015

Neuro Linguistic Programming Certificate – Auspicium Jun 2015