Python Software Developer Python Software Developer Python Software Developer San Jose, CA NetApp Cluster Storage Allocation online automation service using Ontap API, Oracle DB service records tracking. Enterprise meeting conference Conductor orchestration project. Software professional with strong capabilities and product delivered ranging from Application, Automation to API library development and integration OpenStack scheduler enhancement for external data server Access Device driver, system software development and port, multi-GEO/Multi-team project collaboration Result-focused, action-oriented team player. A quick grasping ability in a diverse environments and technology with great problem solving capability Technology Expertise: Tools: Python, Java, C, C++, Linux, Windows, VMware, KVM/Xen, OpenStack Technology Experiences: NetApp/Ontap, MySQL, NoSQL, SQLAlchemy, ORM, RESTful, JSON, Network stack, TCP/IP, UDP. NFS, SCSI, PCIx, InfinitBand/RDMA, Git/SVN, Rally/Spring, CI/CD. Authorized to work in the US for any employer Work Experience Python Software Developer Cisco October 2015 to May 2017 Contract expired) Designed/developed Python Storage Automation tools for users to request Storage allocation online, through common UI front-end input, and back-end NetApp Ontap cluster storage API; Allocation data stashed into Oracle database using SQL for cost tracking and resource utilization/feedback. Project supports Export Policy/Rules for Qtree/Volume to support disk group and Work directories. Project accesses rights, with feedback contribution, project adapted to use Ontap and SQLAlchemy ORM Access libraries ? Automation tests with Unit, functional and integration test cases ? Customers support on feature debug and solutions Orchestration management project for Enterprise conference/meeting Python product. Project involves multi-software layers in supporting Python, JavaScript, C++, RESTful API, NoSQL database Access with multi-hosts debug and automation tests. ? Timeout event in monitoring connected network devices' resource with conference hosting, customers' licenses usage and enforcement for calls utilization/billing. Process(es) monitoring for App fail/restart ? Integrated Multi-devices run-time library development for networked devices ? Integration test cases through UnitTest and Mockup mechanism on remote clustered notes Agile development with CI/CD/Jenkins for customers and feature enhancement. Lead Engineer/Program Manager PingShow Inc September 2014 to

September 2015 APP Java debugging, Server Python programming, Data streaming protocol C implement using RTP/RTCP for P2P packets transmit/recovering; Django, Python MySQL database query/update Customers App, network troubleshooting/debug support Senior Staff Software Engineer/Project lead/management Intel Open Source Group 1991 to 2013 Delivered product quality platform software to customers and open source communities Open Source OpenStack Cloud contribution: TrustedComputing project completed new OpenStack Python Nova scheduler on development and schedule planning, with TPM data passed through RabbitMQ, in accessing Attestation TOMCAT Server JSON/JAVA data through REST API for Cloud compute nodes' trustworthiness. Project takes advantage Intel HW TXT with Trusted Platform Module (TPM) features by enhancing OpenStack Nova scheduler to access the standalone remote Attestation Server through Python RESTful API; where Server retrieves compute nodes' boot-time measurement using TPM protocol. Attestation SDK for software API development package pushed to https://github. Directly enable and support early adopter customer on software installation and trouble-shooting Xen Open Source Hypervisor/Virtual Machine Xen/KVM Project lead designed and implemented VM, for single-guest with IO pass-through, for IA64 VT-i architecture and PAL/HW validation by enabling RHEL6 & Windows Server as guests. Implemented low-level hooks for instruction virtualization and route to upper App. Developing VT-i virtualized HW features into Xen/KVM by instrumented key CPU features into commercial ready VM. Program management collaborated with partners and debug, with architecture sharing/training supports to 1st tier customers' developers in working with major OS vendor in delivering product quality VM for commercial releases Tablet platform software development: Run-time interface libraries design and implement for USB Advanced Human Interfaces Device (HID) support with Event driven API, for Windows Tablet conforming applications to access customized HID devices. HID/I2C PCI based device driver development. Product cycle development from product requirement, architecture. development Network TCP/IP driver stack, disk file system stack and USB software stack development; key device drivers such as NIC, HDD, SCSI, CDROM development. 64bit DDK development for PCI platform conforming Effort and tier-1 driver engineer training Linux

devices/embedded Development: Infiniti-band driver design and implementation in using RDMA to remove both incoming/outgoing network data page copies for HPC IO In-house 2-phase commit in using networked PC's for banking/finance service Dual-ARM NXP2100 Network processor platform Linux bootstrap and TCP network and packet routing, forwarding debug in enabling control and data plane decoupling. Multi-CPU Linux Kernel trace/dump driver/Daemon for kernel tracing & performance tuning. Network TCP/IP driver stack, disk file system stack and USB software stack development Education B.A. in Applied Mathematics University of Texas Arlington - Arlington, TX

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