LOGU J

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SUMMARY

- Overall 6+ years of experience primarily on **Python, C programming, Linux and Networking**
- Experience on **RESTful interface development** and consumption of various RESTful interface
- Experience on **multiprocessing, multithreading and socket programming**
- Experience on **Celery and WebSocket**
- Experience on **RabbitMQ, Apache Qpid and AMQP**
- Hands on knowledge of **TCP/IP stack**
- Experience on **virtualization**, with hands on knowledge of **Docker, QEMU, KVM, ESxi and LIBVIRT**
- Hands on knowledge of **RHOSP and OpenStack** environment setup
- Hands on knowledge of **HPE synergy, HPE BladeSystem C7000, HPE Moonshot and HPE Edgeline products (EL1000/EL4000/EL300)**
- Knowledge on **HPE OneView and iLO**
- Experience on Python module development
- As a personal interest actively learning machine learning

WORK EXPERIENCE

Mphasis Corporation   Jun 2018-Present
Senior Software Engineer   *Houston*
· Involved in developing EIM (Edgeline Infrastructure Manager) and MRSP (Moonshot Redfish Service Proxy)

Mphasis Limited   Nov 2015-May 2018
Senior Software Engineer   *Bangalore*
· Implemented an utility to integrate CISCO APIC - HPE OneView
· Implemented project BEN (Broker for Enterprise Notification)
· Implemented following Proof Of Concept

    A simple audit framework to audit testcases executed by multiple testers

    NLP based BOT to answer the queries based on audit framework data

    An UWP based OneView app

HCL Technologies   Jun 2013-Nov 2015
Software Engineer   *Chennai*
· Involved in transforming SCE into vSCE (virtualized Service Control Engine)

Desh Technologies   Jun 2012-Jun 2013
Web Developer   *Erode*
· Implemented JavaScript/jQuery based utilities
· Developed multiple WordPress based business websites

EDUCATION

Master of Computer Applications, **IRTT, Anna University**	2009-2012
B.Sc Computer Science , **KSRCAS, Periyar University**	2006-2009

SKILLS

Development Languages: Python, C, C++, Shell Scripting, SQL
Tools: Git, Make, GDB, VIM

PROJECTS

EIM (Edgeline Infrastructure Manager)   HPE Houston
Environment: CentOS, Docker, Django, MariaDB, RabbitMQ, NGINX, Grommet
- EIM is a virtual appliance to help manage HPE Edgeline and other HPE Converged IoT systems
- Designed and implemented celery based solution for firmware update feature
- Investigated and implemented WebSocket
- Implemented licensing module using AutoPass Java library
- Involed in implementing RESTful and Private API for UI
- Investigated and implemented openbox, chromium based console KIOSK mode

MRSP (Moonshot Redfish Service Proxy)   HPE Houston
Environment: CentOS, Docker, Django, SQLite, AMQP
- MRSP is a virtual appliance capable of providing a Redfish Compliant REST API for managing multiple Moonshot
- Understood and implemented AMQP based eventing feature, to notify Apache Qpid Broker
- Implemented multithreaded scalable dispatcher module, to crawl data from managed targets

BEN (Broker for Enterprise Notification)   HPE Bangalore
Environment: Flask, SQLite, AMQP
- BEN is a broker between enterprise application and the client, that lets securely push notifications to endpoints via Cloud
- Implemented REST interface and a plugin which interacts with OneView's REST API and RabbitMQ
- Implemented multiprocessed subscription manager module that manages active subscription
- Implemented command line utility to list the active subscription details
- Implemented the logic to send push notification through WNS and GCM

OneView-CISCO ACI integration toolkit   HPE Bangalore
Environment: Python
- Implemented a standalone python utility that can generate a report by mapping APIC policies to OneView resources
- Optionally based on the generated report it can auto create the missing resource in OneView

vSCE (virtualized Service Control Engine)   CISCO Chennai
Environment: RedHat, QEMU-KVM, C, C++
- It provides virtualized DPI (Deep Packet Inspection) as a service
- Involved in transforming SCE code base for QEMU-KVM environment
- Contributed in bug fixing
- Deployed in OpenStack environment using Cisco internal orchestration tool CTCM (Cisco Teleco Cloud Manager)

CERTIFICATES

- **Machine Learning Basic Nanodegree** from **Udacity**
- **Deep Learning Specialization** from **Andrew Ng, Coursera**
- **Basic Compilers** from Stanford online education
- **Introduction to Computer Networks** from Stanford online education
- **CS107: C++ Programming** from Saylor Academy awards

AWARDS

- Won HP SBU INNOVATION AWARD for the work on project BEN and App Platform for NextGen products
- Won Mphasis internal Summit Award for proactive work on team