

LOGU J

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SUMMARY

- Overall 8+ 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 **I2C, MQTT, ZeroMQ, 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 Edge-line products (EL1000/EL4000/EL300/EL8000)**
- Knowledge on **HPE OneView and iLO**
- Experience on Python module development and CLI development

WORK EXPERIENCE

Mphasis Corporation

Jun 2018-Present

Senior Software Engineer

Houston

- Involved in developing EIM (Edgeline Infrastructure Manager) and MRSP (Moonshot Redfish Service Proxy)
- Involved in developing Moonshot Chassis Manager (CM2)

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
- Involved in implementing RESTful and Private API for UI
- Investigated and implemented openbox, chromium based console KIOSK mode
- Understood and implemented AMQP based eventing feature, to notify Apache Qpid Broker
- Implemented multithreaded scalable dispatcher module, to crawl data from managed targets

Moonshot Chassis Manager (CM2)

HPE Houston

Environment: Ubuntu, Django, SQLite, ZeroMQ, Python, C, Rust

- CM2 is a management software running on HPE Moonshot2
- Same code base is capable of running on HPE's other HPE hardwares (Ex: EL300, EL8000)
- Implemented network stack, IPv6 support, BladeManager, SwitchManager and etc
- Involved in developing CLI commands, Redfish REST apis and other backend logics

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