

# LOGU J

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## SUMMARY

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- Overall 7+ 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 **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)**
- Knowledge on **HPE OneView and iLO**
- Experience on Python module development

## WORK EXPERIENCE

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### **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

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Master of Computer Applications, **IRTT, Anna University**

2009-2012

B.Sc Computer Science , **KSRCAS, Periyar University**

2006-2009

## SKILLS

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**Development Languages:** Python, C, C++, Shell Scripting, SQL

**Tools:** Git, Make, GDB, VIM

## PROJECTS

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### **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 upcoming hardwares (Ex: EL300, EL8000)
- Implemented network stack
- 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

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- **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

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- 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