

Surendar Raju

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Objective

To establish myself as a renowned software professional in a globally competitive and challenging environment, by inspiring innovativeness and professionalism for the mutual growth of the company and myself.

Experience Summary

- Talented and accomplished IT professional, with around **12 years** extensive background in analysis, design, development, testing and deployment of Web based. Client/Server and Distributed applications on multiple platforms using **Java SE 11, Perl and Python**.
- Experience in Software Development Life Cycle (SDLC) process which incorporates Requirement gathering, Analysis, Developing., Testing and implementing life cycle utilizing approaches like **Agile, SCRUM and Test-Driven Development**.
- Experience with **CICD pipelines** to integrate java and python code to align with DevOps using Docker.
- Good knowledge in using **Kubernetes** for orchestration.
- Knowledge on tools like **docker and deployed microservice** on docker container.
- **Developed microservices** for java and python applications and enabled communications using Rest API.
- Experience of working with multiple databases like **Oracle, MySql and Postgress**.
- Experience in working with cloud environments like **openstack**.
- Working knowledge on different microservices **Certificate Management, EJBCA, Kafka Message Bus, Elastic Search and Ingress Controller**.
- Competence in using IDE tools like **Eclipse, IntelliJ Idea, Pycharm and Netbeans**.
- Good working knowledge in **SVN, GIT and CVS** for version control.
- Experience in Automation Framework like **ROBOT**.
- Good presentation, leadership, and communication skills.

Education

Education	Specialization	Institution
B.Tech	Information Technology	Amrita University -Coimbatore, India.
12 th Std	Computer Science	Erode Hindu Kalvi Nilayam -Erode, India.
10 th Std	Matriculation	Erode Hindu Kalvi Nilayam -Erode, India.

Certifications

Certification/Institution	Year
Sun Certified Java Programmer for Java 6	2010
Oracle PL/SQL Developer Certified Associate Completed – 1Z0-051	2013

Professional Experience

Project	Ericsson Ericsson Operations Manager Cloud Infrastructure [OMC] Jan 2020 – Till Date Ericsson Operations Manager Cloud Infrastructure [OMC] is Ericsson NFVI product-based offering which aims at simplifying NFVI solution operations in centralized and distributed deployments. OMC is a GUI based application provides an integrated platform for managing NFVI components in a geographically distributed cloud infrastructure and enables secure and hierarchical multi-tenancy for this cloud infrastructure. OMC product addresses NFVI Infrastructure FM, PM, Logging and Lifecycle Management requirements of Telco Operators.
Responsibilities	<ul style="list-style-type: none">• Currently leading a team. My team takes care of Security features which includes several micro-services like SIP-TLS, Certificate Management, EJBCA, Key Management, Identity Access Management IAM)• Responsible for planning, design, implementation, test-plan, code review, automation and feature documentation.• Part of Life Cycle Management of OMC.• Responsible for end to end Fault management pipeline development• Fault Management – Poller, Collector, Processor, ReSync, NB Sync, API Server and Forwarder pipeline development• Fault Management – Exposed REST API through Swagger• Fault Management - Writing Implementation sketch and user manual• API-Server, Elastic Search, Swagger, Kafka Message Bus. ICCR• Security Master of the product• Managed Ericsson market place Micro-Services for the product.
Project	Ericsson OpenDayLight – Netvirt Project Boron to Oxygen Jan 2019 – Dec 2019 Openstack is a popular open source Infrastructure as a service project, covering compute, storage and network management. OpenStack can use OpenDaylight as its network management provider through the Modular Layer 2 (ML2) north-bound plug-in. OpenDaylight manages the network flows for the OpenStack compute nodes via the OVSDb south-bound plug-in. <ul style="list-style-type: none">• NetVirt is a network virtualization solution that includes the following components as well as others: Open vSwitch based virtualization for software switches, Hardware VTEP for hardware switches, Service Function Chaining support within a virtualized environment, support for OVS and DPDK-accelerated OVS data paths, L3VPN (BGPVPN), EVPN,

	ELAN, distributed L2 and L3, NAT and Floating IPs, IPv6, Security Groups, MAC and IP learning.
Responsibilities	<ul style="list-style-type: none"> • BGP Neighbors • VPC Connections • Ex-Routes • Features enhancement supporting L3VPN
Project	<p>Aruba Airwave Management Platform 8.2.0 to 8.2.6 Jun 2016 – Jan 2019</p> <p>AirWave is a management platform designed with mobile devices and apps in mind. By proactively monitoring the health and performance of all things connected, AirWave lets IT gain the insights they need to support the digital workplace.</p>
Responsibilities	<ul style="list-style-type: none"> • Partial Config Support • Full Config Support • Delta Config Support • Configuring and managing APs, Switches and Controllers of various platforms and vendors like Cisco, HP, Aruba, Alcatel, Juniper etc., • CPU, Client and Memory analysis • BPS and VSF stacking • Configuration archive management • Event triggers generation
Project	<p>Network Planning Tool(NPT) 7.X.X to 8.X.X Oct 2014 – Jun 2016</p> <p>The 1390 Network Planning Tool (NPT) application provides an integrated planning and design capabilities for the 1830PSS family equipment. The 1390NPT has the capability to plan across both the photonic and electrical layers. The complete 1830PSS Engineering Planning Tool (EPT) is embedded inside 1390NPT. The current version of the NPT works with the 1830PSS release 8.0.0. The tool has a network optimization capability based on cost, power, space and so on. Some of these parameters can be manually modified to achieve the desired results.</p>
Responsibilities	<ul style="list-style-type: none"> • Loodu Sync • Upload (Uplink and non uplink) • Installation report • Hoodu report • Equipment View • GlassThrough Node
Project	<p>Mavenir AirGate Management Platform 4.X.X, 5.X.X and 6.X.X March 2012-Oct 2014</p> <p>Mavenir's AirGate MultiMessaging gateway allows operators to provide controlled access to their mobile network for A2P and P2A messaging between 3rd party content providers and subscribers, enabling efficient delivery of SMS, MMS and WAP Push mobile messaging.</p> <p>A carrier-grade high-availability gateway, Mavenir's AirGate MultiMessaging gateway incorporates many delivery optimization capabilities including load balancing, fine-grained routing, and MMS direct delivery capability to ensure reliable operation and excellent quality of service, even under the highest messaging loads.</p>
	<ul style="list-style-type: none"> • Analysis, design and implementation of Sprint Tasks.

Responsibilities	<ul style="list-style-type: none"> • Working on CQs, Heat and Trac issues. • Features Enhancement for the various versions • USSD Feature implementation • CDR implementation • SMS and MMS Emulators.
Project	<p>Infinera DTN Release 7.0 - 8.0 March 2011-March 2012</p> <p>The Infinera DTN Digital ROADM enables valuable transport networking features, including integrated ODU1 (2.5Gb/s) granularity digital switching and grooming for efficient and flexible bandwidth utilization, full digital performance monitoring, integrated digital service protection, and end-to-end service provisioning. It supports 800Gb/s of DWDM capacity (80 channels, 10Gb/s each) in a bay, or 400Gb/s (40 channels, 10Gb/s each) in a 20RU rack. It can also support multi-chassis configurations across several racks to support multi-way junctions and to create a multi-fiber direction, multi-terabit transport system that's managed as a single network element.</p> <p>Various service rates involved :</p> <ul style="list-style-type: none"> • SONET • SDH • OTN • Gbe • Fibre Channel • Clear Channel • OTN(Transport) • OTN(Transport with FEC) • ODU(Switching) • ODU(Transport)
Responsibilities	<p>The various projects/adapters done as part of Release7.0 are:</p> <ul style="list-style-type: none"> • Implemented the functionality for CLR Manager for the different designs of circuits with Protection Group. • Implementation of LM80 card for Xcon and Snc. • Handling feature request and defect fixing in existing modules. • End to end testing. • Circuit Layout Record persistence. • SNC Manager. • GNM Manager.
Project	<p>The Bank of New York Mellon Corporation. May 2009 –Dec 2010</p> <p>The Bank of New York Mellon's NewWebSTP is an successful project that involved development of multiple services which are consumed by different levels of employees of the bank. The services were developed on a Lombardi and Java . These services interact with various teams and supports multiple functionalities like maintining assets,voucher etc.</p>
Responsibilities	<ul style="list-style-type: none"> • Java Voucher Service (JVS). • Java Swift Service (Swift Service). • Java Inbound Service (JIS). • Custody Managment System(CMS). • Release Management.

Project	Dish Network. Dec 2010 – Mar 2011 Dish Network's EchoSTAR project involves providing service to the end user with various options. I am with the middleware team and started with requirements gathering.
Responsibilities	This project was in initial stage. Requirements from the user had been identified properly and the project had been split into multiple modules. The project is developed in Struts 2.0. <ul style="list-style-type: none"> Involved in designs and POC. Developed a prototype to resolve dependency.

Personal Details

Date of Birth	14-03-1986
Nationality	Indian

Declaration

I hereby declare that the information furnished above is true and complete to the best of my knowledge.

Place : Bangalore, India

Date : 27/7/2024

Signature
