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EXPERIENCE

Seeking new opportunities

Self Employed

Reference # 6

April 2020 - PRESENT

Ciena, Ottawa, On

Senior Software Designer

Reference # 5

Jan 2016 - Mar 2020

Project: micro services for network management system

- Developed Java based microservices with a REST interface:
  - ❏ reporting inventory for packet data services (E-LINE, E-LAN, E-TREE) over linear and MPLS transport
  - ❏ application to provide test and diagnostics for Layer2 customer network
- Performed customer network troubleshooting. Analyzed millions of events/database records to find the root cause of failing service provisioning operations
- Resolved complex high priority field issues in a timely manner
- Performed large system data analysis of customer networks, improving data retrieval response time by 600%.
- Worked on a Python based device adapter application
- Utilized Jenkins based CI/CD pipeline to test developed microservices with Postman scripts
- Fully adopted Agile methodology (test and automation)
- Mentored new team members (3)

Senior Software Designer

Reference # 4

Mar 2020 - Dec 2015

Project: Java applications and features for Multi-Technology Operations System Interface (MTOSI)

- Developed features for a Java based inventory application running inside WebLogic for a network management solution
- Developed features for (MTOSI) based on TMForum models operating as NorthBound Interface (NBI) between the network

SKILLS

Experience with the technologies:
Ethernet, SONET/SDH, IP, Tl1, SNMP, CLI, TCP/IP, T1/E1, DS3/E3, RS-232, Ciena/Nortel Layer0 Photonic, Layer1, Layer2 (carrier-grade packet and Ethernet) devices, particularly OC3-OC192, Ciena CESD, 8700, 6500 (functionality, communication with devices and upgrades process).

Java, JavaScript, Python, Shell scripting, HTML, C

JSON, XML

REST

Kafka

Linux, Vagrant/VirtualBox, Solaris, Unix

Microservice architecture, Docker

WebLogic, JMS, JPA, Tomcat

MySql, Elasticsearch, Cassandra, Hibernate

LDAP

Intellij, Eclipse, PyCharm, Mockito, Postman, Curl, SOAP

Git, Bitbucket, Slack, Teams, JIRA, Confluence

Perforce, Clearcase

TeamCity CI/CD

Agile and waterfall design model

AWARDS

Peer Recognition Award – Ciena, Ottawa, On

Applause Award - Ciena, Ottawa, On

management system and devices

- For MTOSI, worked on REST based APIs

- Performed integration testing of MTOSI and a network management system using SOAP

- Architect of legacy applications (developed by Nortel) embedded in Ciena`s network management system, specifically applications performing backup & restore and electronic software delivery to the devices from one centralized location

- Performed Big System Testing for MTOSI ensuring system stability for large customers

- Architect of Java based application to collect data from multiple devices for the purpose of simulating those devices in Big System Testing of the network management system

- Mentored new team members (5)

Nortel Networks, Ottawa, On

Senior Software Designer

Reference # 3

Jan 2002- Feb 2010

Project: Sanity, Integration Testing, Java applications

- Team leader for the main UI desktop application (Swing based) for optical network management system

- Architect of Java based applications collecting real time alarms, historical alarms and events from managed devices

- Provided end-to-end direction and execution of the sanity activities for different releases and patches of Nortel's optical network management solution consisting of multiple applications (provisioning, visualization, troubleshooting)

- Assisted with the load-build process for sanity purposes

- Assisted technical writers with providing customers installation and upgrade procedures for optical network solution.

- Lead integration testing including integration with devices

- Assisted Q&A teams with testing, system troubleshooting as well as pager support

- Lead international sanity team to maximize the sanity execution effectiveness and reduce waiting time for results by 50%

- Architect for highly scalable Java based application generating Transaction Language 1 (TL1) input and output messages (including alarms and autonomous messages).

- Team lead/acting manager for a remote designer team responsible for delivering above application.

- Worked on Big System Testing of selected releases of network management solution

- Mentored new team members (4)

Quality Reward – Nortel, Ottawa, On

Nortel Networks, Ottawa, On

Software Designer

Reference # 2

Jun 1995 - Dec 2001

Project: C applications for network management system and network upgrades

- Developed and integrated C based application improving effectiveness of software deployment for Nortel fiber optic devices (moved from distributed to centralized approach)
- Provided support for customers with robust optical network upgrade procedures
- Worked with customer support teams assisting with network upgrades
- Provided pager support for Q&A teams testing network upgrade procedures
- Collaborated with device teams
- Lead integration testing of one-push-button network upgrade application

Kylain Inc, Ottawa, On

Software Designer

Reference # 1

Sep 1990 - Jun 1995

Project: applications for network management system

- Worked on software features for network management system managing Northern Telcom devices
- Worked on ASCII based UIs, exchange messages with managed devices

EDUCATION

Technical University, Warsaw— *Master of Science*