

OLGA BESKID-WOJCICKA

Profile

For more than 20 years I contributed to the design, implementation and testing of various complex software systems (mostly in **telecommunication** space).

I also worked on installation and **upgrade solutions for network managing systems** from one centralized location (so called one-push-button approach).

Additionally, some part of my career was designated to developing simulated environment for the **Big System Testing** focusing on systems managing devices operating with interfaces such as **CLI/TL1** and **FTP/SFTP** based on **Telnet/SSH**.

During my carrier I evolved from **C-based** solutions on HP-UX, to stand alone **Java** GUI client, to **Java-based Service Oriented Architecture** solutions deployed in containers like **Tomcat** and **WebLogic** running on Solaris and Linux.

In the last four years I got involved in the design, implementation and automated testing of the network management solution made up of **micro-services** deployed in **Docker** containers.

I am an energetic person with excellent interpersonal skills working well in internal teams.

Professional Experience

Reference # 6

Self Employed, Kanata, ON

Project: Seeking new opportunities

Apr 2020 – Present

Reference # 5

Ciena, Ottawa, ON

Project: micro services for network management system

Jan 2016 – Apr 2020

Senior Software Designer

- 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)

Environment: Java, Python, JavaScript,

JSON, REST, TL1 telecommunication management protocol, SNMP, CLI for Nortel/Ciena devices, SONET, SDH, Kafka, Linux, Vagrant/VirtualBox, Microservice architecture, Docker, Elasticsearch, Cassandra, IntelliJ, PyCharm, Mockito, Postman, Curl, SOAP, Git, Bitbucket, Slack, Teams, JIRA, Confluence, TeamCity CI/CD, Agile design model, Ciena Layer2 devices (carrier-grade packet and Ethernet), particularly CESD, 8700, 6500 (functionality, communication with devices and upgrades process)

Reference # 4

Ciena, Ottawa, ON

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

Mar 2010 – Dec 2015

Senior Software Designer

- 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 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)

Environment: Java, HTML, JSON, XML, TL1 telecommunication management protocol, SNMP, CLI for Nortel/Ciena devices, SONET, SDH, Solaris, WebLogic, JMS, JPA, Tomcat, Hibernate, LDAP, Eclipse, Perforce, Confluence, waterfall design model, Ciena/Nortel Layer2 devices particularly CESD, 6500 (functionality, communication with devices and upgrades process)

Reference # 3

Nortel Networks, Ottawa, On

Project: Sanity, Integration Testing, Java applications

Jan 2002 – Feb 2010

Senior Software Designer

- 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, trouble shooting)
- 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 trouble shooting 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)

Environment: Java, C, Solaris, Unix, MySql, LDAP, Eclipse, Perforce, Waterfall design model
 TL1 telecommunication management protocol, SNMP, CLI for Nortel/Ciena devices, SONET, SDH, Ciena/Nortel Layer0 Photonic, Layer1 devices

Reference # 2

Nortel, Ottawa, On

Project: C applications for network management system and network upgrades
 Jun 1995 – Dec 2001

Software Designer

- 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

Environment: C, Shell scripting, Unix, In-house built database, LDAP, Vim, vi, waterfall design model
 TL1 telecommunication management protocol, SNMP, CLI for Nortel/Ciena devices, SONET, SDH
 Ciena/Nortel Layer0 Photonic (communication with devices and upgrades process)

Reference # 1

Kylain Inc, Ottawa, On

Project: applications for network management system
 Sep 1990 – Jun 1995

Software Designer

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

Environment: in-house object-oriented languages, MAC, VAX, T11

Educational Background

Master of Science Degree –
 Electronic Engineering

Technical University of Warsaw

Professional Development

Carleton University - Ottawa, Ontario
 Technical English Writing Course

Skills and Attributes

**Networking and
 Telecommunications Expertise**

Experience with the following technologies: Ethernet, SONET/SDH, IP, T11, 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)

Professional Workshops

EASL Process Mapping Workshop- Ben Graham Group
Gartner - IT Performance Measurement Best Practices workshop
Gartner - Creating an IT Performance Measurement and
Management Program
Gartner Group – TCO Total Cost of Ownership Methodology
Workshop
2012 Ottawa Spring Conference - Social Media & The Wired
Workplace

Software Applications Knowledge

Java, Python, JavaScript, 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
TeamCity CI/CD
Agile and waterfall design model

Soft Skills Training

Sonet Basics and Advanced – Nortel, Ottawa, On
Interpersonal Effectiveness and Listening - Nortel, Ottawa, On
Is Management for me – Nortel, Ottawa, On
Yin Yoga Teachers Training – Ottawa, On

Language Skills

English, Polish

Awards and Recognition

Peer Recognition Award – Ciena, Ottawa, On
Applause Award - Ciena, Ottawa, On
Quality Reward – Nortel, Ottawa, On