Jonathan Senecal

> Talented technological solution architect and project manager located in Montreal

My personal mission is to make things, fix stuff and help others... I just happened to love working with high tech stuff so it became my area of expertise.

I am a detail oriented and challenge driven person with **10 years of experience in telecommunications, server infrastructures and carrier-grade network design & build** so let's talk about how I could help you achieve what you dream of.

Personal Info

Age : 31
Phone : +1 514-710-0100
Email : contact@jonathansenecal.com
Web Site : www.jonathansenecal.com
Address : 7787 rue de Bordeaux, Montreal QC

Expertise

Infrastructure Design
Telecommunications, server infrastructures and carrier-grade network design & build have no secrets for me.

Agile Software Development
Bleeding edge software technologies have also become parts of my toolset to create powerful and unique infrastructures.

My Resume

Experience

Director, Networking, Systems and Infrastructure – EBOX inc.
Dec 2016 – May 2017

While I was at EBOX I was responsible for the restructuration and scalability of everything IT. EBOX was undergoing tremendous growth and I had to ensure the systems and network would survive it.

Key achievements:

› **Lead the team** responsible for the construction of a new data center;
› **Managed the development team and designed an authentication and access control system** for a client's subscription and access management service designed to allow for extreme scalability;
› **Redesigned the core network infrastructure** to offer value added services based on MPLS technologies running on Juniper MX and ACX series routers;
› **Managed and improved business critical infrastructure** providing services to 100k+ clients;
› Introduced the key concepts of the **DevOps** toolchain to the software development team to allow for more reliable development of applications.

Director, Research and Developpement – Pre2Post Inc. / ZEROFAIL
Mar 2015 – Dec 2017

Thorough my time as Director of R&D at ZEROFAIL I designed a complex Network Operations and Business Support System and led initiatives to improve solutions and services.

Key achievements:

› **Initiated and managed Research and development projects** that provided new methods, solutions and improvements on existing services;
› **Managed and improved business critical systems** to allow ZEROFAIL to reach higher levels of efficiency and enabled new sources of revenue;
› **Designed and led the development** of a complex Network Operations and Business Support System leveraging technologies such as Graph Databases and Python's 3.5 asyncio;
› **Designed and built** domain specific electronic and mechanical systems to help field technicians with their duties.

Technical Skills

Networking Protocols (BGP, OSPF, RSVP-TE...)

Metro Ethernet and MPLS Technologies

Fiber Optics

Server Infrastructures and virtualization

Software Development

Analytical thinking & Research

Project Management

Director, Network Management Group – Pre2Post Inc. / ZEROFAIL

Jul 2010 – Mar 2015

As the Director of the Network Management Group at ZEROFAIL I designed and built a very extensive MPLS network accross Canada and the north of USA along with the most extensive private wireless network in the metropolitain area of Montreal.

Key achievements:

› **Initiated and managed Research and development projects** that provided new services and technologies that helped grow the business;
› **Managed and planned the deployment** of a very complex MPLS network leveraging a wide range of hardware from Juniper;
› **Implemented and managed** business processes to allow for greater operations efficiency;
› **Lead teams** consisting of many ad-hoc technicians working in many departments.

Network and systems administrator / Tech. Support – Pre2Post Inc. / ZEROFAIL

May 2008 – Jul 2010

I started at ZEROFAIL in the Technical support department where I quickly learnt my ways through the different systems of the company. I became someone people would rely uppon to help fix issues, the simple and the complex ones.

Key achievements:

› **Operated and managed** a very large number of customer's internal network infrastructures using Cisco, HP, DELL, Juniper and Arista switches and firewalls;
› **Managed multiple companies IT infrastructures** composed of many workstations and physical/virtual server environments based on Windows Server technologies as well as RedHat and Debian based Linux Distros;
› **Configured servers and network devices** to grow the hosting infrastructure;
› Offered an **outstanding technical support** to the customers.

Education

Bachelor, Electrical engineering – École de technologie supérieure

2011 – `Suspended`

Due to the responsabilities I had at the moment with ZEROFAIL, it became impossible to attend properly to the courses and achieve results on par with my personal level of satisfaction.
I may continue the program in the future, but only time will tell.

Computer Science Degree, Network specialization – College Montmorency

2003 – April 2008

I successfuly completed all the classes in the program without any issues or fallouts.
Furthermore, the domain specific classes were all completed with grades way above the average. I was the best student of the cohort in that program.

Interests

Music Gaming Travel Electronics Mechanics Biking Motorcycle

Professional Skills

Interpersonal Skills

Leadership & Teamwork

Adaptability

Ability to Work Under Pressure

Skill set

Responsible Diligent Rigor Loyal
Efficient Communication Flexible
Quick Learner
Data analysis Conflict resolution
Planning Creativity Adaptability
Leadership Team work
CAD Electronics SolidWorks
Python Ruby Perl Javascript
Shell scripting Git
Machine learning Graph Databases
PostgreSQL GIS Linux
VMware ESX Virtualization Docker
Ansible Distributed computing
MPLS Juniper Cisco Mikrotik
Ubiquiti OSPF BGP
Traffic Engineering QoS VoIP
Vlan VPN Security Firewall

Languages

English

French