

# 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

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## 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 restructuring 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

#### Agile 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 metropolitan 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 upon 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 responsibilities 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 successfully 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