

# 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



#### ● Solution architect – Connect it Networks

August 2017 – **Now**

I am currently working at improving business critical processes and related infrastructure to support cloud based connectivity and telphony services.

##### Key achievements:

- › **Reviewed and analyzed** existing applications effectiveness and efficiency, and then developed strategies for improving or leveraging these systems;
- › **Researched and made recommendations** on both hardware and software products and services in support of procurement and development efforts;
- › **Provided technical direction** and best practices to be followed by the team;

#### ● Director of technology – ZAP.coop

August 2017 – September 2018

I was responsible for the restructuration and scalability of everything related to technology in order to allow ZAP to reach their next milestone and growth.

##### Key achievements:

- › **Managed and improved business critical infrastructure** providing services to 100k+ end users;
- › **Restructured the business processes** to enable ZAP to be more agile in its deliveries;
- › Performed a **cloud migration** for some business critical systems;

#### ● 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 growing significantly and I had to ensure the systems and network would survive it and support an IPTV deployment at scale.

##### Key achievements:

- › **Lead the team** responsible for the construction of a new data center;
- › **Redesigned the core network infrastructure** to offer value added services based on MPLS technologies running on Juniper MX and ACX series routers;
- › **Designed an authentication and access control system** for a client subscription and access management service designed to allow for extreme scalability;

### 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, Research and Development – Pre2Post Inc. / ZEROFAIL**

Mar 2015 – Dec 2016

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.

● **Director, Network Management Group / Network and systems administrator / Tech. Support**

**Pre2Post Inc. / ZEROFAIL**

May 2008 – Mar 2015

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.

Later on, 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:**

- > **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.
- > **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.

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