

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 over 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



● Network engineer – Mindgeek

February 2017 – **Now**

Working with a team of network gurus, I manage, automate and scale Mindgeek's network footprint to allow for continued growth and performance.

Key achievements:

- › **Initiated and managed Network automation projects** to provide new methods, solutions and improvements on existing services and infrastructure;
- › **Managed and improved business critical systems** to allow Mindgeek to improve efficiency and reliability of their network deployment;

● Head of Research and Developpement – Connect it Networks

February 2017 – April 2020

Improved business critical processes and related infrastructure to support cloud based connectivity and telephony 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

Responsible for the restructuration and scalability of everything related to technology I allowed ZAP to reach their next milestone in 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;

Technical Skills



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

Metro Ethernet and MPLS Technologies

Optical Networking
(CWDM/DWDM)

Server Infrastructures and virtualization

Agile Software Development

Analytical thinking & Research

Project Management

● Director, Networking, Systems and Infrastructure – EBOX inc.

Dec 2016 – May 2017

Responsible for the restructuring and scalability of everything IT,

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;

● Director, Research and Developpement – 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.

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
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Python	Ruby	Perl	Javascript
Shell scripting		Git	

Machine learning	Graph Databases	
PostgreSQL	GIS	Linux

VMware ESX	Virtualization	Docker
Ansible	Distributed computing	

MPLS	Optical networking	Juniper	
Cisco	Mikrotik	Ubiquiti	OSPF

BGP	Traffic Engineering
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Network Automation	QoS	VoIP
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Vlan	VPN	Security	Firewall
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Education



● 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.

Languages



English

French