

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

April 2020 – **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 Development – 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 restructuring 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 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 across Canada and the north of USA along with the most extensive private wireless network in the metropolitan 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



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|--------------------|-----------------------|---------------------|---------------|
| 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 | Optical networking | Juniper | |
| Cisco | Mikrotik | Ubiquiti | OSPF |
| | BGP | Traffic Engineering | |
| Network Automation | QoS | VoIP | |
| Vlan | VPN | Security | Firewall |

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