

# Jevin Maltais

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I am a senior engineering manager and technical architect with experience managing teams of both engineers and data scientists in diverse industry sectors. I was previously employed in both primary Canadian security and intelligence organizations.

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## Certifications

Top Secret Clearance Professional Engineers of Ontario (currently inactive)

## Professional Experience

### 02/18-01/19      **Triage.com: CTO and Director of Product Engineering:**

Responsible for all machine learning, technical architecture, and technical leadership for this artificial intelligence company:

- Built the first publicly available, Deep Learning and AI based skin classifier app for 124 dermatological conditions. Currently has had 400k users using the image classifier.
- Lead the new product design of our internal AI data exploration and data analysis tool on over 2 TB of images in our data storage.
- Worked with the AI data management team to stop doing manual labelling of data. Built a process to scale labelling of data by recruiting a group of 20 dermatologists to classify skin conditions in images and a team of General Practitioners to help build our symptom checker database.
- Set up and implemented the core company AI KPI reporting in Metabase, where they were posted to Slack on a daily/weekly basis.
- Hired two engineers and three devops consultants in my first two months.
- Implemented a career ladder for the machine learning and software engineering teams, resulting in concrete plans to set expectations and manage performance, growth and retention strategies.

All this was accomplished as several group members and I worked remotely. The team includes 6 Data Scientists, 4 Engineers and 3 Data Managers. I personally worked with and implemented best practices these technologies:

- Keras
- Jupyter notebooks
- Virtualization: Docker/Kubernetes in Debian Linux
- React and Javascript
- Python
- Ruby on Rails
- React

### 01/10-Present      **TheRemoteCTO.com: Consulting Chief Technology Offer:**

A unique consultancy that builds machine learning and web/mobile products from concept to production. Accomplishments include:

- Developed an AI predictive model to allow a day trading company to make market predictions based on its specific style of trading.
- Developed an AI based chatbot to give auto insurance quotes directly from the insurer, which was a “first” in Canada.
- Completed the technical architecture and development for a business intelligence platform for Search and Rescue Canada to analyse their thousands of missions across Canada.
- Built 15 web and machine learning-based applications for various clients, in each case releasing the first production-ready version two weeks from the start of development.
- Implemented virtualization (on virtual machines) using Google Cloud, AWS and Digital Ocean’s infrastructures. We use Docker Compose and Kubernetes with Debian Linux.
- Recruited a team of 7 Engineers and developers and 2 Designers. Two of these professionals have come along with me to other companies and client projects.
- Maintaining a high code quality through continuous integration and continuous deployment using Circle CI and Docker images.

**07/19-Current      O’Reilly Training Platform**

- Regularly teaches remote management of employees to classes between 100-300 attendees

**09/17 - 12/19      (acquired) Willowbee.ca - Engineering Manager and Product Manager. Co-Founder**

Along with a lawyer friend, I did the system design of the most advanced Canadian Will and Testament application. We offered the wills for free and paid more complicated versions.

- Progressed from idea to production in 3 months.
- Technical design of the cloud based system architecture
- Over 400 wills in the first two days using only social media advertising.
- Built another product to help lawyers incorporate businesses and quickly build their minute books. It has been adopted by several law firms.

Technologies used:

- Virtualization: Docker/Kubernetes in Debian Linux
- Ruby on Rails

**02/16-05/17      Aerial.ai - VP Product, Co-founder**

- Managed the product development of our priority artificial intelligence based wifi sensing technology.
- Completed 8 business deals in the first 6 months with some of the world’s largest OEMs including Amazon, Videotron, Panasonic, Sony, Samsung

- Sourced and implemented ideal partnerships with researchers from across Canada to develop our first elder care product for the aging population.
- Presented at Demo Day in June 2016 to an audience of 800 and was voted 'Best Pitch' by a Montreal newspaper. Video here: <https://www.youtube.com/watch?v=vT4HGPHE194>

#### 08/15-01/16 **Bus.com - Head of Product**

Responsible for business model experimentation, all technology UX, analytics, user requirement gathering, feature design and prioritization:

- Managed the product development with a team of 6 contractors
- Developed a quick and easy web form for supplier submissions, that proved crucial to understanding the data we needed to collect.
- Collaborated with event organizer, operations, and sales to develop the first iteration of our "self-serve bus organizer tool".
- Used Mixpanel analytics, feedback from Intercom and interviews with internal stakeholders to augment the UX and feature set of version 2 of the "self serve bus organizer tool".

#### 05/07 - 06/10 **Software Engineer - Government of Canada**

- Worked on the development of high performance kernel optimizations.
- Seconded for six months to a rapid development product team. Built software in C, C++, and assembly
- Implemented source control for a team of 8 and an automated workflow to build and manage these kernel patches.
- Sourced world class kernel experts to build Linux drivers and firmware for our proprietary hardware.

## Skills

- Python
- Machine Learning, Deep Learning and Artificial Intelligence
- Rapid development of production software product
- Client relationship, technical requirement and user requirement gathering

## Education

2002-2007 **B.Eng Systems Engineering** Carleton University (Ottawa)

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