

# YANN LECOSTAOUËC

## Software Engineering Expert

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Nashua, NH

strongrib.com

ylecost

ylecost

## EXPERIENCE

### Owner & Principal Software Consultant

#### Strong Rib Solutions LLC

Mar. 2022 - Present

Nashua, NH

- Built reporting, billing, and Docusign enhancements to Ruby on Rails web app for Advanced PICC Specialists, a health care company
- Performed PHP, CSS, and HTML updates with tight deadlines to high-volume Wordpress site for Envoy, a logistics software startup

### Chief Product Owner

#### Maxar Technologies

Sept. 2021 - Jan. 2022

Westminster, CO

- Owned and drove execution of large multi-team backlog and supervised product roadmap creation for optical satellite ground system
- Formed and motivated working group to improve monitoring by creating analytics dashboards in AWS and ELK

### Senior Product Owner & Senior Systems Engineer

#### Maxar Technologies

Dec. 2015 - Sept. 2021

Westminster, CO

- Collected market research and collaborated with development teams to deliver superior cloud identification UI
- Persuaded management of my vision to rewrite a complex workflow into AWS, decreasing costs and increasing performance and scalability
- Managed smooth integration of high-value machine learning algorithms for automated cloud and haze cover detection
- Innovated and presented high-impact architecture to lower processing latency and increase image accuracy in ingest phase
- Designed APIs, entity and sequence diagrams for micro-services

### Senior Software Engineer, Team Lead & Scrum Master

#### MDA Information Systems

Mar. 2013 - Dec. 2015

Longmont, CO

- Developed time-saving automated image QA system in Java and Javascript
- Wrote Python process monitor for image processing system.
- Created Oracle SQL reporting tool for European Space Agency

### Software Engineer, Technical Lead & Software Architect

#### Ricoh Production Print Solutions

July 2009 - Mar. 2013

Boulder, CO

- Provided stellar technical leadership and strategic vision for high-speed printer image processing system written in C
- Optimized algorithm for image rotation, scaling, clipping, and half-toning
- Parallelized color interpolation on a GPU with OpenCL
- Developed compressors and decompressors for LZW, PackBits, JPEG

## EDUCATION

### M.S. in Math and Computer Sciences

#### Colorado School of Mines

2007 - 2009

Golden, CO

### B.A. in Liberal Studies

#### Magdalen College

2002 - 2006

Warner, NH

## CERTIFICATIONS



**Scaled Agile Framework (SAFe) Agilist**  
Scaled Agile, Inc.



**Certified AWS Solutions Architect**  
Amazon Web Services



**Certified Product Owner (CSPO)**  
Scrum Alliance



**Certified Scrum Master (CSM)**  
Scrum Alliance

## AWARDS



**Distinguished Toastmaster Award**  
Toastmasters International



**Patent # 8964192 (Print verification database mechanism)**  
U.S. Patent and Trademark Office

## SKILLS

C/C++

Java/Spring

Ruby/Rails

AWS

MATLAB

OpenCV

OpenCL

Javascript/Typescript

PHP

Git

ReactJS

NodeJS

ExpressJS

Python

HTML/CSS

SQL/NOSQL

Linux

Shell scripting

Jira

TDD/BDD

Leadership

Communication

## LANGUAGES

English  
French

