

# EVAN D'ENTREMONT

Technology Leader | High Performance & Scalability Expert  
10+ Years Backend, Full-Stack, and Embedded Developer

## CONTACT

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## SKILLS

### Professional

- Leadership and team management
- Agile methodologies
- Incident management and Reliability
- Project planning
- Stakeholder communication and collaboration
- Performance optimization and scalability

### Technical

- Java, Python, JavaScript, PHP, C++
- REST, GRPC
- MySQL, MariaDB, and PostgreSQL
- Strong understanding of security and compliance standards (GDPR, PCI-DSS)
- Linux / OS X

## LANGUAGES

- English: Native / Fluent
- French: Intermediate

## PROFESSIONAL EXPERIENCE

### SOFTWARE DEVELOPMENT MANAGER (Core Services)

AYLO / Montréal, Qc. (Hybrid) / April 2022 to February 2024

- Reported to Director of Trust and Safety Engineering
- Responsible for an authentication service supporting 140 million daily users.
- Achieved a 90% reduction in open tickets while ensuring 99.99% service reliability.
- Created and presented architectural solutions to senior engineering leadership and internal stakeholders including a modular compliance scanning tool that saved over \$20,000 per year of manual processing.
- Designed and implemented REST APIs for integration with AI tools and compliance systems.
- Spearheaded an independent integration testing team, achieving 100% coverage of Core Services.

### LEAD FULL-STACK SOFTWARE DEVELOPER

GUEST NETWORKS / Toronto, On. / Jan 2021 to April 2022

- Reported to CEO (Startup)
- Re-architected backend systems for better regional distribution and increased scalability.
- Introduced comprehensive software QA processes, significantly improving product quality and reliability with an 80% reduction in post-release defects.
- Maintained hands-on involvement in developing and refining web applications, focusing on code quality and security, resulting in zero major security incidents.

### LEAD FULL-STACK & EMBEDDED SOFTWARE DEVELOPER

SITE2020 / Halifax, Nova Scotia / March 2018 to March 2020

- Reported to CTO (Startup)
- As an early employee, contributed to everything from logistics to hardware assembly to software development.

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## CONFERENCES

I Declare Cyber War  
AtISecCon 2018

Immunizing IoT  
AtISecCon 2017

Defeating Next Gen  
Firewalls  
AtISecCon 2016

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## EDUCATION

TEAMWORK AND THE  
INTERNAL CUSTOMER  
Nova Scotia Department of  
Labour  
2017

ENTREPRENEURIAL  
TRAINING  
Self Employment Benefit  
CEED Halifax  
2010 to 2012

TWO YEARS OF STUDY  
Engineering / Computer  
Science  
St. Francis Xavier University  
2007 to 2009

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## VOLUNTEERING

LEGO ROBOTICS  
INSTRUCTOR

Local Library / Elmsdale, Nova  
Scotia / 2016 to 2018

VICE PRESIDENT  
Halifax Makerspace / Halifax,  
Nova Scotia / 2014 to 2016

- Spearheaded software and firmware development efforts, enhancing scalability and performance.
- Developed an opportunistic fleet management and financial platform using Laravel and Vue.js, reducing manual processing time by 94%
- Developed RTSP video streaming solutions using H.264 codec, resolved an issue with out-of-order RTSP packets, improving streaming reliability.
- Implemented continuous delivery processes that streamlined deployment cycles, improving deployment times to over the air updates instead of in-person hardware changes, saving \$60,000 per year on travel.

### EMBEDDED SOFTWARE DEVELOPER

DYNAGEN / Halifax, Nova Scotia / Dec 2016 to March 2018

- Developed a compression algorithm for IoT satellite network communication, optimizing data transfer rates by 85% and enhancing security for critical operations.
- Designed and developed a human-machine interface (HMI) for prototype industrial controls, facilitating more effective interaction and control in harsh industrial environments.
- Collaborated with cross-functional teams to develop engine control modules for heavy industry, focusing on vendor integration and IoT connectivity.

### FULL-STACK SOFTWARE DEVELOPER

GOALLINE / Halifax, Nova Scotia / December 2014 to September 2016

- Developed a REST API and hybrid mobile application using Laravel and Angular.
- Led a comprehensive security audit, achieving 100% compliance with PCI-DSS standards.
- Optimized PostgreSQL performance which improved search response times by 10000%.
- Collaborated with cross-functional teams on deployment processes achieving a 25% reduction in user-reported issues post-release.

### WEB DEVELOPER

FREELANCE / Halifax, Nova Scotia / December 2010 to December 2014

- Freelance web developer, working with agencies and startups on a consulting basis.

