

# Eric Semeniuc

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## Skills

- Languages: Rust, Go, TypeScript
- Web: Actix, Apollo, Flask, GraphQL, Nextjs, OAuth2, React, Ruby on Rails, Spring
- ML/System: Docker, Kafka, Kubernetes, PostgreSQL, PrestoSQL, PyTorch, Redis, SpaCy, Spark

## Professional Experience

Software Engineer at Salesforce

June 2020 - Present

Data Engineer:

- 10x Increase in data retention by building optimized multi-node Kafka + Presto ETL pipeline
- Retrofitted report generation system with distributed querying and parallel rendering

Security Engineer:

- Implemented AuthN/Z access controls with OpenID Connect to protect internal resources
- Protected backends with Hashicorp Vault for secure secrets retrieval and rotation

Frontend Engineer:

- Developed & deployed internal on-demand health reports dashboard using Nextjs
- Continuously championed modern frontend (React + TypeScript) to span across all team UIs

Software Engineer Intern at Salesforce

Jun 2019 - Aug 2019

- Developed full-stack release management portal to track and manage SayonaraDB lifecycle
- Reduced data lookups by 80% by consolidating spreadsheets into single GraphQL API
- Codified business processes for release staggers and stages into single reference

Software Engineer Intern at Facebook

May 2018 - Aug 2018

- Designed, developed, and pushed full-stack supplier messaging system to production
- Streamlined bid lifecycle by integrating message history and attachments into bids
- Enabled scaling and uptime improvements by eliminating Oracle APEX

Software Engineer Intern at Salesforce

May 2017 - Aug 2017

- Developed server health monitoring service with Spring framework and Refocus
- Achieved near real-time reporting using delta updates and Kafka streaming
- Optimized 99<sup>th</sup> percentile response times by 50% by contributing fixes to internal tools

Software Engineer at LEAP Learn

Sep 2013 - Aug 2015

- Coordinated & supervised contractors and full time developer to deliver secure student ledger
- Improved visibility of student progress with custom formative assessment system
- Increased IT compliance by implementing security and backup best practices
- Automated instructor workflow by developing Moodle eLearning system

Software Engineer at Amigos Travel

July 2012 - Sep 2013

- Built end to end flight search system with JS frontend and Amadeus Selling Platform backend
- Designed and deployed automated PDF invoicing system with Paypal integration

Software Engineer at Deals Caddy

Apr 2011 - June 2012

- Implemented algorithm for perpetually decreasing group pricing to incentivize purchases
- Collaborated with contractors to develop group buying e-commerce marketplace

Web Developer at Global Nannies Agency

Mar 2010 - Apr 2011

- Automated nanny/caregiver onboarding with web-based employer matching system

Junior Web Developer at Canadian Marshals

Jan 2010 - Mar 2011

- Designed and deployed Javascript frontend interfacing with LAMP stack

## Education

University Of British Columbia - BSc (Hons) Computer Science

2016 - 2020

**Interests:** Cycling, snowboarding, motorsport, economics, sunset gazing