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

Frontend Engineer:
- Enabled on-demand system health reports by building Typescript + Nextjs dashboard
- Continuously championed modern frontend (React + TypeScript) to scale across all team UIs

Data Engineer:
- Increased system health data availability by building optimized multi-node Spark ETL pipeline
- Retrofitted report generation system with distributed querying and parallel rendering

Security Engineer:
- Implemented access controls (AuthN/Z) with OpenID Connect to protect internal dashboards
- Onboarded backends with secure secrets retrieval and rotation using Hashicorp Vault

Software Engineer 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 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 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 99th percentile response times by 50% by contributing fixes to internal tools

Software Engineer at LEAP Learn — Sep 2013 - Aug 2015

- Supervised contractors and full time developer to deliver secure student ledger
- Increased server security by implementing new security, backup, and recovery measures
- Improved visibility of student progress with custom formative assessment system
- Reduced instructor workload by implementing and managing 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 launched PDF invoicing system with Paypal for automating payments

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 new Javascript frontend with PHP + MySQL backend

Education

University Of British Columbia - BSc (Hons) Computer Science — 2016 - 2020

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