

# Jordan Vlieg

**Education:** Bachelor of Software Engineering, University of Victoria.

(628) 777-8260

jordan@vlieg.ca

San Francisco, California

## Experience

## Software Engineer

## Coinbase

Sept 2019 – Jan 2021

- Backend engineer on the Authentication and Authorization team. Golang/Ruby, DynamoDB/Mongo stack.
- Focused on second factor systems, OAuth, account security, data privacy, and data encryption.
- Designed and authored Coinbase's 2<sup>nd</sup> generation second factor systems (TOTP, SMS, U2F)
- Separated sensitive and critical systems from the monolith into microservices with a Golang/DynamoDB stack to be horizontally scalable. My services served 40% of internal gRPC traffic at peak.
- Proposed and authored the envelope encryption library for Coinbase service framework. Used by multiple teams and services to protect the company's most sensitive personal and financial data at rest.
- Mentored several interns on various teams. Managed an intern, collaborated on a new internal OAuth client management library, resulting in an accepted return offer.

## Software Engineer (Contract)

## ITN Holdings - ProvantageX

Jan 2019 – July 2019

- Full stack development of integrated demand side and sales side platform.
- Wrote caching service and algorithm that improved data read performance by 40%.
- Rebuilt UI, API, and backend services for various components of the system ensuring data privacy and integrity. Focused on designing the system for future scalability and maintainability.

## Software Developer

## Frozen Mountain Software

Sept 2017 - Jan 2019

- Scaled internal WebRTC load testing tool on the AWS platform 1000x. Saved the company and various clients tens of thousands of dollars in external vendor testing fees.
- Designed and implemented features for a web learning platform as an agile full stack developer
- Discovered and resolved several critical security flaws in the ASP.NET platform API and endpoints.

## SDE Intern

**Microsoft**

Summer 2016

- Utilized Azure Spark to process metadata from 1 million songs to discover meaningful insights.
- Authored machine learning and big data templates with terabyte scale datasets.
- Created a tutorial for CIQS to demonstrate to hundreds of Microsoft cloud customers.

## Personal Projects

AntiDose | [Website](#)

## Android, Java, Golang

- Connects users encountering an overdose to responders with Narcan kits using Android location API.
- Second place capstone project winner.

Doorman | [Github](#)

## Golang, Twilio API

- An automated system to allow cellphone based apartment door boxes to open using a password instead.

## Skills and Technologies

Languages: Go, C#, Ruby on Rails, C, JavaScript (React), Java

AWS: DynamoDB, KMS, ELB, S3, SQS, EC2, Lambda

Other: MongoDB, Postgres, Docker, Regex, Git, Bash