# CHRISTOPHER POENARU

COMPUTER ENGINEER - FUNCTIONAL PROGRAMMER - TRIATHLETE - ROCK CLIMBER

# **SKILLS**

Scala

Go

Haskell

Java

AWS + Heroku

**Postgres** 

Redis

Cassandra

MongoDB

# **PROJECTS**

### **SCRAVA**

**☑** KIAMBOGO/SCRAVA

 Community recognized, opensource Scala client for the Strava API

# **ROAD QUALITY**

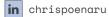
TRIFECTALABS/ROADQUALITY

- Crowdsourced road quality and traffic safety data for cyclists
- Allows cyclists to rate sections of a road or path to build a cmmunity driven topology of the safest cycling routes
- API and pathing logic implemented in Scala; custom mapping engine built with Rust

# CONTACT







kiambogo

#### **EXPERIENCE**

#### **MASONHUB**

Los Angeles, CA (Remote) Jan. 2019 - Jan. 2021

**SOFTWARE ENGINEER** 

• Third engineer, responsible for designing, building, and owning multiple core systems that scaled

- the company from 0 clients to 35+ within 2 years
  Constructed Shopify integration, reducing technical client onboarding time to minutes
- Architected fault-tolerant, scalable printer management system allowing for custom supply chain documents. Successfully printed over 250,000+ documents
- Refactored critical, production database schema reducing average inventory ledger query times to 2.5ms and bulk order processing time to 160ms

#### **HUDSON'S BAY COMPANY**

New York, NY (Remote) Aug. 2018 - Jan. 2019

**LEAD SOFTWARE ENGINEER** 

- Engineering lead of a team of 4 intermediate and senior level developers
- Directed team towards adopting a functional code base with Scala Cats + FS2
- Architected a multi-service initiative to optimize safety stock levels and reduce order shorting

SOFTWARE ENGINEER II

Nov. 2017 - Aug. 2018

 Conflated inventory management systems across banners as part of the shared selling initiative, driving double-digit growth for the Gilt banner

SOFTWARE ENGINEER

July 2016 - Nov. 2017

- Refactored mission critical service to use Postgres instead of Mongo; strategized deployment resulting in zero downtime
- Modified website delivery window calculation to include customer location, improving checkout conversion across many US states

# STRAVA

San Francisco, CA Aug. 2015 - Dec. 2015

PLATFORM ENGINEER INTERN

- · Optimized user characteristics processing with development of Scala service leveraging Spark
- Designed and deployed Spark cluster to production atop of Apache Mesos

# **GILT GROUPE**

New York, NY Jan. 2015 - Apr. 2015

**SOFTWARE ENGINEERING INTERN** 

 Designed and built a public API with Scala + Play as part of the global redistribution team to provide inventory and catalog information to redistribution partners, increasing global incremental revenue by more than 40%

# **EDUCATION**

# UNIVERSITY OF WATERLOO

Waterloo, Canada

BASC. COMPUTER ENGINEERING

2011-2016