

# 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, open-source 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 community driven topology of the safest cycling routes
- API and pathing logic implemented in Scala; custom mapping engine built with Rust

## CONTACT

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 chrispoenaru

 kiambogo

## ABOUT

Computer engineer with **5+ years experience designing, implementing, and owning** high-performance, **back-end** software and distributed systems. Cultivates a rich understanding of multiple layers of computer systems, from high-level applications and **database performance tuning**, to **infrastructure, networking, and security**.

## EXPERIENCE

### MASONHUB

*Los Angeles, CA (Remote)*

SOFTWARE ENGINEER

*Jan. 2019 - Jan. 2021*

- Third engineer at a fast paced 3PL startup; responsible for designing, building, and owning multiple core systems that scaled the company from 0 clients to 35+ within 2 years
- Spearheaded Shopify integration, providing real-time inventory levels and ingesting customer orders for fulfillment
- Architected fault-tolerant, horizontally scalable printer management system allowing for custom supply chain document creation. Successfully printed over 250,000+ documents
- Refactored critical, production database schema improving average inventory ledger query times by 90% and bulk order processing time by 75%

### HUDSON'S BAY COMPANY

*New York, NY (Remote)*

LEAD SOFTWARE ENGINEER

*Aug. 2018 - Jan. 2019*

- 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*

PLATFORM ENGINEER INTERN

*Aug. 2015 - Dec. 2015*

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

## EDUCATION

### UNIVERSITY OF WATERLOO

*Waterloo, Canada*

BASc. COMPUTER ENGINEERING

*2011-2016*