

Christopher Poenaru

COMPUTER ENGINEER · FUNCTIONAL PROGRAMMER · TRIATHLETE · ROCK CLIMBER

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Skills

Languages Scala, Haskell, Java, Rust, C++, Python

Tools FS2, Akka, Play, AWS

Databases Postgres, Cassandra, MongoDB

Experience

Hudson's Bay Company

Vancouver, Canada (Remote)

LEAD SOFTWARE ENGINEER

Aug. 2018 - PRESENT

- Engineering lead of a team of 4 intermediate to senior level developers
- Directed team towards adopting a functional code base with Cats + FS2
- Currently architecting a cross-team, multi-service initiative expected to save the company over \$1M USD annually

SOFTWARE ENGINEER II

Nov. 2017 - Aug. 2018

- Individually integrated 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 delivery window calculation to include customer location improving checkout conversion across many states

Strava

San Francisco, USA

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
- Scaffolded machine-learning service to classify and mitigate spam posted throughout the site

Gilt Groupe

New York City, USA

SOFTWARE ENGINEERING INTERN

Jan. 2015 - Apr. 2015

- 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%
- Integrated existing Scala services with the warehouse management system using Apache Camel and RabbitMQ
- Aided in migration process to AWS + Docker infrastructure

Projects

Road Quality

Toronto, Canada

PERSONAL PROJECT 📁 TRIFECTALABS/ROADQUALITY

Feb. 2017 - Nov. 2017

- 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; web application built with Elm

Scrava

Waterloo, Canada

PERSONAL PROJECT 📁 KIAMBOGO/SCRAVA

Sept. 2014 - PRESENT

- Community recognized open-source Scala client for the Strava API
- Actively maintained and updated to reflect live API

Education

University of Waterloo

Waterloo, Canada

BASc. IN COMPUTER ENGINEERING

2011 - 2016