## (8 - 9:30) Purscript workshop:

<http://functorial.com/>

<https://github.com/paf31/lambdaconf>

<https://github.com/purescript/purescript>

<https://github.com/purescript/starter-kit>

to import the array library:

:i Data.Array

ex1 sol:

let

divBy3 0 = true

divBy3 1 = false

divBy3 2 = false

divBy3 n = divBy3 (n-3)

ex2 sol:

let numDivBy3 n = length $ filter divBy3 $ upTo n

ex3 sol:

let

sum [] = 0

sum(h : t) = h + sum t

sum (range 1 10)

## (9:30 – 10:30) Scaling Gilt

[www.yonigoldberg.com](http://www.yonigoldberg.com/)

[jgoldberg@guilt.com](mailto:jgoldberg@guilt.com)

Gilt:

e-commerce company

moved from monolithic Rails app to micro services

LOSA (Lots Of Small Apps)

Data storage:

H2 (for inventory service)

Kafka

Voldemort

RabbitMQ

Zeus (for load balancing)

Docker (Linux containers; lighter than VM)

Zookeeper

OpenGrok

IonCannon

## (10:30 – 12) Building Web Apps w/ Clojure

<https://github.com/rkneufeld/pedestal-workshop>

<https://speakerdeck.com/rkneufeld/web-apps-on-a-pedestal>

Datomic

## (1 – 3) Intro to functional game programming

<https://github.com/jdegoes/lambdaconf-2014-introgame>

Recursion types: induction and co-induction

Mondas: functional programming design pattern.

## (3 – 4) Building web services w/ RedEyes & Scala

<https://github.com/redeyes/redeyes>

## (4 – 5) Rapture & Scala

<http://rapture.io/>

<http://rapture.io/gettingStarted>

<https://github.com/propensive/rapture-io>