IAN FORSEY

Scala Developer

✉ **07825 051 251**
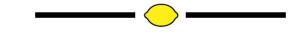
📞 **ian@lemonlabs.io**

🌐 **lemonlabs.io**

🐙 **theon**

📑 **theon**

in **iforsey**

ABOUT

Hi, I'm Ian and I love Scala! I will be looking for the next Scala contract in September 2018.

I introduced Scala to Net-A-Porter in 2011 whilst working in the labs team. Over the following five years I drove Net-A-Porter's investment in Scala, providing beginner Scala workshops for near 100 employees, opensourcing as much as possible, speaking about Net-A-Porter's use of Scala at LSUG and Scala eXchange. By 2015 Net-A-Porter had 15+ Scala applications in production across 7+ teams.

Today, at lemonlabs.io, I enjoy taking this experience to help other companies with their Scala projects through contracting and training

WORK

- ## SENIOR JAVA DEVELOPER, BARCLAYCARD

  ### OCTOBER 2018 - PRESENT

  Senior Java Developer building new features for Barclaycard Payment Solutions

  #### HIGHLIGHTS

  - Implementing new features for Barclaycard's Smartpay payment gateway
  - Java, Oracle 11g, Git

- ## DIRECTOR, LEMON LABS

  ### FEBRUARY 2017 - PRESENT

  Helping companies with their Scala and Java projects by contracting, running training sessions and proving opensource software

- ## SENIOR JAVA DEVELOPER, BARCLAYCARD

  ### OCTOBER 2017 - MAY 2018

  Senior Java Developer building new features for Barclaycard Payment Solutions

  #### HIGHLIGHTS

  - Integrated Vocalink's Pay By Bank App into Barclaycard's ecommerce Smartpay payment gateway
  - Built support for Oracle Simphony point-of-sale into Barclaycard's in-store Smartpay payment gateway
  - Java, Oracle 11g, Git

- ## SENIOR SCALA DEVELOPER, HMRC

  ### FEBRUARY 2017 - JULY 2017

Senior Scala Developer in the Government Gateway team, supporting the sign-in pages

HIGHLIGHTS

- Added new user flows for Multi-Factor-Authentication
- Migrated Agent registration to HMRC's current platform
- Upgraded from Play 2.3 to 2.5 across ~10 microservices
- Scala, Play, MongoDB, Gatling, Git

PRINCIPAL DEVELOPER, NET-A-PORTER

NOVEMBER 2014 - JANUARY 2017

One of four Principal Developers in a 300 strong IT team. Working in a agile environment, shaping the technical direction of the Product Team by building available, scalable and fault tolerant applications that expose product data to the customer

HIGHLIGHTS

- Scala, Akka, Spray, Gatling, Git
- AWS EC2, Autoscaling, CloudFormation, CloudWatch, S3
- Successfully served thousands of req/sec from the Net-A-Porter RESTful product API on sale days
- Ran internal Scala workshops many times over the last two years for a total of 80+ people

SENIOR DEVELOPER, NET-A-PORTER

DECEMBER 2013 - NOVEMBER 2014

Member of the Product Team, building the Net-A-Porter product API

HIGHLIGHTS

- Scala, Akka, Spray, Solr
- Committer to the popular spray/akka-http library, contributing redirection support
- Active member of the Net-A-Porter techblog

JAVA DEVELOPER, NET-A-PORTER

MAY 2010 - DECEMBER 2013

Member of the Labs Team working on both long term project, as well as building prototypes and proof of concepts using a variety of different languages and technologies

HIGHLIGHTS

- Scala, Akka, Spray, MySql, Lift, Java, Spring

- Project work including an iPad magazine, a GoogleTV shopping app, visual similarity product indexer and new Wish List stack
- Introduced Scala to the company
- Instigated the company move to a microservice architecture

JUNIOR JAVA DEVELOPER, NET-A-PORTER

DECEMBER 2008 - MAY 2010

Worked on the release of theOutnet.com

JUNIOR JAVA DEVELOPER, AVENCA

JUNE 2006 - JULY 2008

Software analysis of black box recorder data for trains and ships

EVENTS

LONDON SCALA USERS' GROUP - SPEAKER

MARCH 2015

Presented lessons learned whilst building the Net-A-Poter RESTful Product API in Scala and Spray

SCALA EXCHANGE CONFERENCE - SPEAKER

DECEMBER 2013

Presented our use of the Actor Per Request model for the Wish List API at Net-A-Porter

EDIT AMPLIFY: YOUTH TECH - GROUP LEADER

JUNE 2013

A day of running a workshop for groups of 13-14 year old students, with the aim of getting them excited about working in technology!

- ## GOOGLE IO - DEMONSTRATOR

  MAY 2011

  Demoed the Net-A-Porter GoogleTV App in a booth decked out to look like a living room

OPEN SOURCE

- ## SCALA-URI (104 STARS, 13 FORKS)

  scala-uri is is a small Scala library that helps you work with URIs. It's used by over 350 open source projects on github. Check out the lemonlabs website to see which companies are using scala-uri, such as theguardian.com on their homepage! (link)

- ## SPRAY-ACTOR-PER-REQUEST (136 STARS, 30 FORKS)

  Example spray application that uses the actor per request model (link)

- ## PRE-CANNED (33 STARS, 17 FORKS)

  Mocking HTTP services on spray-can for integration testing (link)

EDUCATION

- ## COURSERA
  SEPTEMBER 2013 - NOVEMBER 2013

  Functional Programming Principles in Scala (100%, Distinction)

- ## COURSERA
  NOVEMBER 2013 - JANUARY 2014

  Principles of Reactive Programming (100%, Distinction)

- ## TYPESAFE
  MARCH 2013 - MARCH 2013

  Scaling up with Akka and Scala

- ## SOLENT UNIVERSITY
  SEPTEMBER 2003 - JUNE 2006

  Software Engineering (First Class Honours)

INTERESTS

- **BOARD GAMING**
  - Established gaming groups at Barclaycard, HMRC and Net-A-Porter

- **INTERNET OF THINGS**
  - Arduino Chilli Plant Watering System
  - Home Automation with Samsung SmartThings, ZWave, Raspberry Pi