IAN FORSEY
Scala Developer

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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 (http://theon.github.io/cv#opensource) as much as possible, speaking (http://theon.github.io/cv#events) 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 (https://lemonlabs.io), I enjoy taking this experience to help other companies with their Scala projects through contracting and training

WORK

• 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 payment solution
- Built support for Oracle Simphony point-of-sale into Barclaycard's in-store card payment offering
- 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 (https://github.com/NET-A-PORTER/scala-beginner-workshop) 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 (https://github.com/spray/spray/commit/98365ff0cc3fa7448bd4e0f59d80804c9ed48445)
  - Active member of the Net-A-Porter techblog (http://techblog.net-a-porter.com/author/i-forsey/)

- # 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

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

OPEN SOURCE

- ## SCALA-URI (59 STARS, 7 FORKS) (HTTPS://GITHUB.COM/LEMONLABSUK/SCALA-URI)

  scala-uri is is a small Scala library that helps you work with URIs. It's used by over 250 open source projects (https://github.com/search?utf8=%E2%9C%93&q=scala-uri+extension%3Asbt&type=Code&ref=advsearch&l=&l=) on github. Check out the lemonlabs website (https://lemonlabs.io/opensource/) to see which companies are using scala-uri, such as theguardian.com on their homepage! (link (https://github.com/lemonlabsuk/scala-uri))

- ## SPRAY-ACTOR-PER-REQUEST (137 STARS, 30 FORKS) (HTTPS://GITHUB.COM/NET-A-PORTER/SPRAY-ACTOR-PER-REQUEST)

  Example spray application that uses the actor per request model (link (https://github.com/NET-A-PORTER/spray-actor-per-request))

- ## PRE-CANNED (35 STARS, 16 FORKS) (HTTPS://GITHUB.COM/NET-A-PORTER/PRE-CANNED)

Mocking HTTP services on spray-can for integration testing (link (https://github.com/NET-A-PORTER/pre-canned))

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 (http://theon.github.io/plant-watering-with-arduino.html)
  - Home Automation with Samsung SmartThings, ZWave, Raspberry Pi