

IAN FORSEY

Scala Developer

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ABOUT



Hi, I'm Ian and I love software development!

I've recently enjoyed working with Java in the fintech industry at Barclaycard, whilst maintaining an opensource project in my spare time. Prior to that I introduced Scala to Net-A-Porter in 2011 and drove the company's investment in Scala over the following five years by 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

WORK



- **SENIOR JAVA DEVELOPER, BARCLAYCARD**

OCTOBER 2018 - APRIL 2019

Senior Java Developer building new features for Barclaycard Payment Solutions

HIGHLIGHTS

- Implementing new features for Barclaycard's Smartpay payment gateway
- Java, Oracle 12c, Git
- Became a certified SAFe practitioner

- **DIRECTOR, LEMON LABS**

FEBRUARY 2017 - PRESENT

Helping companies with their Scala and Java projects

HIGHLIGHTS

- Contracting and building 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 Symphony point-of-sale into Barclaycard's in-store Smartpay payment gateway
- Java, Oracle 11g, Git
- Provided a beginners Git workshop to aid in a SVN to Git migration

- **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-Porter 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 (144 STARS, 21 FORKS)**

scala-uri is a small Scala library that helps you work with URIs. It's used by almost 400 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 (135 STARS, 28 FORKS)**

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

- **PRE-CANNED (33 STARS, 16 FORKS)**

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

EDUCATION



- **EDX**

FEBRUARY 2019 - MARCH 2019

Programming Reactive Systems (100%) [View Certificate](#)

- **SCALED AGILE**

FEBRUARY 2019 - MARCH 2019

Certified SAFe 4 Practitioner (84%) [View Certificate](#)

- **COURSERA**

NOVEMBER 2013 - JANUARY 2014

Principles of Reactive Programming (100%, Distinction)

- **COURSERA**

SEPTEMBER 2013 - NOVEMBER 2013

Functional Programming Principles in Scala (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