IAN FORSEY

Scala Developer

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ABOUT

Hi, I'm Ian and I love Scala!

I am currently looking for a scala contracting position.

I'm author and active maintainer of opensource scala projects, have been a speaker at scala conferences and have provided both scala and git training workshops at previous workplaces

WORK

- ## SENIOR SCALA DEVELOPER, DISNEY STREAMING SERVICES

  ### NOVEMBER 2019 - JUNE 2020

  Senior Scala Developer working on Disney+

  ### HIGHLIGHTS

  - Scala, cats, AWS, DynamoDB, Git, Docker, gatling
  - Designing and implementing performant, high throughput, RESTful APIs for Disney+
  - Functional programming style using cats with tagless final encoding
  - Designed and deployed production AWS infrastructure

- ## ASSCOCIATE, EQUAL EXPERTS

  ### FEBRUARY 2017 - JUNE 2020

  Associate consultant in the Equal Experts network

- ## 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 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 certfied SAFe practioner

• 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
- Provided a beginners Git workshop to aid in a SVN to Git migrarion

• 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
- 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 (198 STARS, 29 FORKS)

  scala-uri is is a small Scala library that helps you work with URIs. It's used by over 450 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