

# Julien Deray MSc

Scala Programming ✪ Team Leadership ✪ Process Improvement

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## Professional Profile

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**Scala Developer** with 5 years' experience with Scala in fintech firms combined with consistent success in exceeding requirements to challenging timescales, motivating teams and driving lean, agile processes. A skilled communicator adept at collaborating and strategizing on business-critical, complex projects; skilful in managing key stakeholder relationships. Fluent in Scala as well as other languages with an expert grounding in database administration, information system analysis and functional programming.

## Key Skills

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Product Development ✪ R&D ✪ Strategic Planning ✪ FinTech & Blockchain Technology ✪ Agile Team Leadership, Motivation & Coaching ✪ Stakeholder Management ✪ Information System Analysis & Design ✪ Tool Development ✪ Scala ✪ Functional Programming ✪ Reactive Architecture ✪ Project Management ✪ Problem Solving ✪ Conflict Resolution ✪ Business Scaling ✪ Lean Processes ✪ Distributed Systems

## Qualifications

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- **Certified Kanban Foundation KMP 1**
- **Certified Scrum Master** | Scrum Alliance (2018)
- **Masters: Computer Science** | IMT Atlantique, Nantes / France Engineering School (2012 – 2015)
- **Diploma: Computer Science (HND Equivalent)** | University Institute of Computer Science, La Rochelle / France (2010 – 2012)

## Career History

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**Oct 2017 – May 2020**      **Artos Systems Ltd, London**

Artos Systems is an enterprise-grade, fast-growing SaaS company with teams of forward-thinking professionals at the forefront of technological developments. With 40 staff it aims to solve real-world problems by translating cross-organisational operational processes into the blockchain realm.

**Jan 2020 – May 2020**      **Engineering Manager**

Part of the management team reporting to CTO, solely responsible for leading and developing a solutions team of four set up to manage significant growth and provide fast prototyping / proof of concept proposals for clients. Variable stack: Play! Framework Scala; Node.js; React; Typescript.

- End to end project management from requirement gathering and analysis through architecture to CI/CD, production and client relationship management
- Worked directly with clients to establish requirements and update on progress
- Controlled project timelines and expenditures
- Created structure, procedures, tools, guidelines and handbooks, significantly increasing efficiencies
- Applied critical organisational, analysis and problem solving skills to programs
- Developed, coached and motivated the team to deliver fast to challenging deadlines

Oct 2017 – Jan 2020

### **Senior Back-End Engineer & Scrum Master**

Initially the start-up's only engineer, accountable for the planning, execution and success of all back-end Ethereum Blockchain development projects as well as training up and supervising a growing agile software development team of six. Infrastructure as code with Terraform; cluster management with AWS's ECS.

- Built a scalable solution to reach high volumes on the Ethereum Blockchain
- Led development of highly scalable APIs written in Scala, using Akka HTTP
- Worked with Jenkins to build CI/CD pipeline
- Provided coaching and continuous improvement to the team

Jun 2016 – Oct 2017

### **CTO & Co-Founder | Mobillity / Mespo, London**

Co-founder of this fintech with chatbot application built and developed internally - Stack: Play! 2 / Scala / Akka; React; MongoDB; Kubernetes / Docker; ELK stack; Jenkins; Google Cloud Platform.

- Conducted analytical, environmental, operational and performance studies to develop designs
- Prepared reports with innovative proposals to address both technical and process issues
- Startup BootCamp FinTech London cohort 2017
- Raised £100K angel round with £1.8M company valuation
- Recruited, managed and coached seven staff (five interns and two employees)
- Achieved a waiting list for the product of 800 customers and secured 100+ prior to 2018

Oct 2015 – Jun 2016

### **Full-stack Software Engineer | PDX Technology, London**

Worked as the only developer in this start-up fintech platform providing Ethereum-powered P2P lending, reporting to the two founders. Accountable for the implementation of engineering technical practices, industry codes & standards and managed handling all IT tasks: front-end and back-end development and DevOps.

- Developed four fintech web applications using Play! / Scala and AngularJS / React.js with MongoDB, deployed on Heroku and EC2
- Drew many dynamic financial charts using C3.js / D3.js and WebSockets
- Coached, mentored and transitioned new engineer on front-end technology

Sep 2012 – August 2015

### **Full-Stack Software Engineer (University Placement) | Serli, France**

Extensive research and prototyping for the well-established Java dev shop during study breaks to assist the company in providing high quality client solutions.

- Programmed dependency injection containers in Java binding CDI and OSGi technologies
- Assisted in implementing the TCK of Google App Engine, working with Google and RedHat
- Built a PaaS platform's framework with Node.js on a cluster of Raspberry Pi in INSA Lyon laboratory

Jun 2014 – Aug 2014

### **Intern | Optimal Workshop, Wellington / New Zealand**

Assisted the UX design firm with implementing, developing and analysing user experience regarding a back office subscription with activity visualisation using D3.js. Migrated database to fit the new payment management system and created a Chrome extension to make integration tests easier to set up.

