

# FELIPE TRIANA CASTAÑEDA

(+49) · 173 · 4723751 ◇ ftrianakast@gmail.com

Tassostrasse 11 ◇ Berlin, Germany 13086

<https://ftrianakast-cedar-14.herokuapp.com/>

## SUMMARY

---

Software engineer with good communication and teamwork skills. Enthusiastic for software architecture, data science, functional programming (Scala, Haskell), distributed systems and category theory. As a software engineer, I am available to define and put in operation architectures based in multiple programming languages and frameworks.

## INTERESTS

---

Distributed systems.

Functional programming.

Databases.

Probability and statistics.

Category theory.

Data science.

## EDUCATION

---

**University of los Andes, Bogotá D.C, Colombia**

*August 2013*

BSc in Computer Science

Thesis SkinHealth, a system for autodetection of skin diseases using the Ontology Ontoderm.

**Colegio Seminario San Juan Apóstol, Facatativá, Colombia**

*2008*

High School Degree

## EXPERIENCE

---

**Zalando**

May 2017 - Present

*Software Engineer*

*Berlin, Germany*

- Software backend engineer using Java and NodeJS.
- In terms of Java, I worked using Java 8, Spring Boot and Hibernate.
- In terms of NodeJS, I worked using ExpressJS and Sequelize.
- Database modeling using Postgres and MySQL.
- Put in operation an infrastructure based on AWS, Docker and internal microservices Zalando tooling.
- Deal with an international team.
- Worked on an intrapreneur project for Zalando called Collabary that scaled up fast. This allowed me and the team to design processes, strategies and software components that scaled up fast but also pragmatically.

**Prodigious Latin America**

March 2015 - April 2017

*Senior Software Engineer*

*Bogotá D.C, Colombia — San Francisco, US*

- AEM developer: components, workflows and OSGi services.
- Webservice designer and developer over Apache Sling.

- Backend engineer using Java language.
- Deal with an international and big team.
- Worked in three projects as a technical referent: Hewlett Packard, USANA, Renault-Nissan projects.

### **Aentropico SAS**

*CTO*

May 2014 - December 2014

*Bogotá D.C, Colombia — Río de Janeiro, Brazil*

- Technical leader and organization representative.
- Technical architect: solution designer and technical referent.
- REST API designer.
- Backend engineer using different programming languages: Scala, NodeJS and R.
- Implementation of software tools for analyzing data using Scala, Akka, Spark.
- Frontend developer using Javascript(AngularJS Framework), CSS3 (Stylus preprocessor), HTML5 (Jade template engine).
- Database designer using NoSQL technology (MongoDB).
- Infrastructure engineer responsible of application deployments (AWS, Docker and Heroku), security (OAuth 2.0) and platform scalability.
- Requirement engineer. Responsible for defining technological requirements from business requirements.
- Scrum master. Sprints planning and responsible of delivery dates.

### **Aentropico SAS**

*Full Stack Developer*

August 2013 - May 2014

*Bogotá D.C — Río de Janeiro*

- Architectural designer of a technological platform that provides predictive analytic tools (machine learning) and advanced algorithmic techniques for any kind of business.
- REST API Designer.
- Backend engineer using different programming languages: Scala, NodeJS, R.
- Implementation of software tools for analyzing data using Scala, Akka, Spark.
- Frontend developer using Javascript(AngularJS Framework), CSS3 (Stylus preprocessor), HTML5 (Jade template engine).
- Database designer using NoSQL technology (MongoDB).
- Infrastructure engineer responsible for application deployments (AWS, Docker and Heroku), security (OAuth 2.0) and platform scalability.
- Requirement engineer. Responsible for define technological requirements from business requirements.
- Scrum master. Sprints planning and responsible of delivery dates.

### **IBM**

*Technical Analyst*

August 2012 - December 2012

*Bogotá D.C*

- Application Integration Engineer responsible of requirement definition in a bank enterprise. The work was guided by a traditional software development methodology with level 5 on CMMI.
- Integration services implementation using the platform Websphere Message Broker.
- Implementation of Java adapters for integration of legacy applications.

### **SoftOne SAS**

*Freelancer Developer*

June 2012 - August 2012

*Bogotá D.C*

- Web service development over the framework JEE for the management of IVR in an assurance enterprise.
- Mobile development using the platform J2ME.
- The works was guided by an agil software methodology (Scrum)

## **PERSONAL INITIATIVES**

---

**Bogotá Lambda**

*Coorganizer*

January 2016 - April 2017

*Bogotá D.C*

- Coorganizer and promoter of a meetup related with functional programming stuff.
- Speaker in multiple meetups about functional programming concepts using Scala and Haskell.
- Exercises designer for practicing functional programming concepts using Scala and Haskell.

## TECHNICAL SKILLS

---

<b>Software architecture</b>	SOA (REST and SOAP services), DDD, MDD, design patterns
<b>Computer Science</b>	Category Theory, Regex, algorithms
<b>Programming languages</b>	Java, Scala, Javascript, Haskell
<b>Libraries</b>	Scalaz, Vavr
<b>Frameworks and platforms</b>	Akka, Spring Boot, JEE, NodeJS, ExpressJS
<b>Frontend</b>	AngularJS, CSS3, HTML5, Jade, Stylus, Grunt, Gulp
<b>Protocols &amp; APIs</b>	XML, JSON, SOAP, REST
<b>Databases</b>	MySQL, PostgreSQL, MongoDB, Redis, Neo4j
<b>Tools</b>	Maven, SBT, Gradle, Npm, Git, SVN
<b>Infrastructure</b>	Docker, AWS, Heroku
<b>Commercial platforms</b>	AEM 6.0, CQ, Websphere Message Broker

## PROJECT MANAGEMENT SKILLS

---

<b>Methodologies</b>	Scrum, XP, TSP.
----------------------	-----------------

## LANGUAGES

---

<b>English</b>	90%
<b>German</b>	20%
<b>Spanish</b>	Native

## ACKNOWLEDGMENTS

---

**Fellowship Quiero Estudiar Uniandes** *2009*  
Universidad de los Andes, Bogotá D.C, Colombia. Awarded for academic excellence and best score on national proofs for accessing higher education.

**Best High school academic score** *2008*  
Colegio Seminario San Juan Apóstol, Colombia.

**Guest Speaker Javascript Conference, Medellín Colombia** *October 2013*  
Guest speaker in the annual conference of Javascript in Colombia. Subject: Visualization explorer, a dance between nodeJS and D3.js

## COURSES - CONFERENCES

---

**Coursera, Stanford University, United States** *April 2016*  
Machine Learning. This course provides a broad introduction to machine learning, datamining, and statistical pattern recognition. Topics include: (i) Supervised learning (parametric/non-parametric algorithms, support vector machines, kernels, neural networks). (ii) Unsupervised learning (clustering, dimensionality reduction, recommender systems, deep learning). (iii) Best practices in machine learning (bias/variance theory; innovation process in machine learning and AI).

**Coursera, École Polytechnique Fédérale de Lausanne, Switzerland** *May 2015*  
Principles of Reactive Programming. Key elements for writing reactive programs in a composable way.

Find out how to apply these building blocks in the construction of message-driven systems that are scalable and resilient.

**Coursera, École Polytechnique Fédérale de Lausanne, Switzerland**

*September 2014*

Functional Programming Principles in Scala. Introductory and advanced subjects of functional programming using Scala.

**edX, Berkeley University, California**

*September 2010*

Artificial Intelligence. Artificial Intelligence Principles.