

# FELIPE TRIANA CASTAÑEDA

(+55) · 310 · 8187426 ◇ ftrianakast@gmail.com

Calle 6B No-9-26 ◇ Madrid, Cundinamarca, Colombia 250030

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

## SUMMARY

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Software engineer with good communication and teamwork skills. Enthusiastic for software architecture, data science, functional programming, distributed systems and category theory. As a software engineer I am available to define and put in operation architectures based in multiple frameworks and programming languages, and as an enthusiastic data scientist i know stadistics, network analysys and machine learning techniques.

## INTERESTS

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Functional programming (Scala, Haskell).

Distributed systems.

Category theory.

Data science.

Probability and statistics.

## EDUCATION

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**Universidad de 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

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**Crossover for Work**

February 2016 - Present

*Software Architect*

*Remote Work*

- Software designer
- Scala developer using play framework, kafka, slick
- Technical lead for a platform that measure the performance of software developers across multiple projects
- Deal with an international and big team.

**Prodigious Latin America**

March 2015 - Present

*Senior Software Engineer*

*Bogotá D.C — San Francisco*

- 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: Hewllett Packard, USANA, Renault-Nissan projects.

**Aentropico SAS***CTO*

May 2014 - December 2014  
*Bogotá D.C — Río de Janeiro*

- Technical leader and organization representative.
- Technical architect: solution designer and technical referent.
- REST API designer.
- Backend engineer using different programming languages: NodeJS, R and Java.
- 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: NodeJS, R and Java.
- 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 agile software methodology (Scrum)

**PERSONAL INITIATIVES**

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**Bogotá Lambda***Coorganizer*

January 2016 - Present  
*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.

## TECHNICALL SKILLS

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<b>Software architecture</b>	SOA (REST and SOAP services), DDD, MDD, design patterns
<b>Programming languages</b>	Java, Scala, Python, Haskell, Javascript
<b>Libraries</b>	Scalaz
<b>Frameworks and platforms</b>	Akka, Spray.io, Play Framework, Spring, JEE, NodeJS, ExpressJS
<b>Frontend</b>	AngularJS, BackboneJS, 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, Npm, Git, SVN
<b>Commercial platforms</b>	AEM 6.0, CQ, Websphere Message Broker

## PROJECT MANAGEMENT SKILLS

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<b>Methodologies</b>	Scrum, XP, TSP.
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## LANGUAGES

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

## ACKNOWLEDGMENTS

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<b>Fellowship Quiero Estudiar Uniandes</b>	<i>2009</i>
Universidad de los Andes, Bogotá D.C, Colombia. Awarded for academic excellence and best score on national proofs for accessing	
<b>Best High school academic score</b>	<i>2008</i>
Colegio Seminario San Juan Apóstol, Colombia.	
<b>Guest Speaker Javascript Conference, Medellín Colombia</b>	<i>October 2013</i>
Guest speaker in the anual conference of Javascript in Colombia. Subject: Visualization explorer, a dance between nodeJS and D3.js	

## COURSES - CONFERENCES

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<b>Coursera, Stanford University, United States</b>	<i>April 2016</i>
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).	
<b>Coursera, École Polytechnique Fédérale de Lausanne, Switzerland</b>	<i>May 2015</i>
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.	
<b>Coursera, École Polytechnique Fédérale de Lausanne, Switzerland</b>	<i>September 2014</i>
Functional Programming Principles in Scala. Introductory and advanced subjects of functional programming using Scala.	
<b>edX, Berkeley University, California</b>	<i>September 2010</i>
Artifitial Intelligence. Artifitial Intelligence Principles.	