FELIPE TRIANA CASTAÑEDA

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SUMMARY

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 analysis and machine learning techniques.

INTERESTS

Functional programming (Scala, Haskell).

Distributed systems.

Category theory.

Data science.

Probability and statistics.

EDUCATION

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

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   May 2014 - December 2014

CTO   *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   August 2013 - May 2014

Full Stack Developer   *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   August 2012 - December 2012

Technical Analyst   *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   June 2012 - August 2012

Freelancer Developer   *Bogot D.C*

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

PERSONAL INITIATIVES

Bogotá Lambda   January 2016 - Present

Coorganizer   *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.
· Exercices designer for practicing functional programming concepts using Scala and Haskell.

TECHNICALL SKILLS

Software architecture	SOA (REST and SOAP services), DDD, MDD, design patterns
Programming languages	Java, Scala, Python, Haskell, Javascript
Libraries	Scalaz
Frameworks and platforms	Akka, Spray.io, Play Framework, Spring, JEE, NodeJS, ExpressJS
Frontend	AngularJS, BackboneJS, CSS3, HTML5, Jade, Stylus, Grunt, Gulp
Protocols & APIs	XML, JSON, SOAP, REST
Databases	MySQL, PostgreSQL, MongoDB, Redis, Neo4j
Tools	Maven, SBT, Npm, Git, SVN
Commercial platforms	AEM 6.0, CQ, Websphere Message Broker

PROJECT MANAGEMENT SKILLS

Methodologies	Scrum, XP, TSP.

LANGUAGES

English	90%
Spanish	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

Best High school academic score *2008*

Colegio Seminario San Juan Apóstol, Colombia.

Guest Speaker Javascript Conference, Medellín Colombia *October 2013*

Guest speaker in the anual conference of Javascript in Colombia. Subject: Visualization explorer, a dance between nodeJS and D3.js

COURSES - CONFERENCES

Coursera, Standford 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*

Artifitial Intelligence. Artifitial Intelligence Principles.