

FELIPE TRIANA CASTAÑEDA

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SUMMARY

I am a software engineer with good communication and teamwork skills. I like software architecture, data science, functional programming (Scala, Haskell), distributed systems and category theory. As a software engineer, I am able 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 BSc in Computer Science Thesis SkinHealth, a system for autodetection of skin diseases using the Ontology Ontoderm.	<i>August 2013</i>
Colegio Seminario San Juan Apóstol, Facatativá, Colombia High School Degree	<i>2008</i>

EXPERIENCE

eBay <i>Staff Software Engineer</i>	Mar 2022 - present <i>Berlin, Germany</i>
<ul style="list-style-type: none">· I lead multiple projects for supporting the Rewards platform in Europe· I created technical guidelines around the Rewards platform· I helped creting multiple microservices using Scala and Java for supporting the Rewards platform	
eBay <i>Senior Software Engineer</i>	Nov 2018 - Mar 2022 <i>Berlin, Germany</i>
<ul style="list-style-type: none">· I helped to create a system for Rewards in eBay Europe: this includes eBay Punkte, seller rewards and buyer rewards. The rewards system serves millions of users in Europe and it was created using microservices based in Scala and Java.· I helped supporting eBay global initiatives including: payments, shopping cart and checkout.· The microservices were created using the internal infrastructure of eBay.· I worked in the city of Berlin working together with individuals from different cultures and nationalities.	
Zalando <i>Software Engineer</i>	May 2017 - Nov 2018 <i>Berlin, Germany</i>
<ul style="list-style-type: none">· I 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.· Software backend engineer using Java and NodeJS.· I worked using Java 8, Spring Boot and Hibernate.· 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.

Prodigious Latin America

Senior Software Engineer

March 2015 - April 2017

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 work was guided by an agile software methodology (Scrum)

PERSONAL INITIATIVES

- 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

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

PROJECT MANAGEMENT SKILLS

Methodologies	Scrum, Kanban.
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LANGUAGES

English	Proficient %
German	Intermediate %
Spanish	Native

ACKNOWLEDGMENTS

Fellowship Quiero Estudiar Uniandes	<i>2009</i>
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	<i>2008</i>
Colegio Seminario San Juan Apóstol, Colombia.	
Guest Speaker Javascript Conference, Medellín Colombia	<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

Coursera, Yale	<i>May 2021</i>
Financial Markets An overview of the ideas, methods, and institutions that permit human society to manage risks and foster enterprise. Emphasis on financially-savvy leadership skills. Description of practices today and analysis of prospects for the future. Introduction to risk management and behavioral finance principles to understand the real-world functioning of securities, insurance, and banking industries. The ultimate goal of this course is using such industries effectively and towards a better society.	
Coursera, Stanford	<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).	
Coursera, École Polytechnique Fédérale de Lausanne	<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.	

Coursera, École Polytechnique Fédérale de Lausanne

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.