

FELIPE TRIANA CASTAÑEDA

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SUMMARY

Staff Software Engineer with 12+ years of experience building distributed systems at global scale. Specialized in backend architecture, AI/ML integration, and microservices using Java, Scala, and modern frameworks. Led projects serving hundreds of millions of eBay users globally, including fraud mitigation platforms and global messaging systems. Extensively leverage AI tools (Claude, ChatGPT, GitHub Copilot) throughout the development lifecycle to maximize productivity and code quality. Seeking remote opportunities to build AI-integrated systems and scale distributed architectures.

INTERESTS

AI/ML integration and LLM applications.

Distributed systems and microservices architecture.

Prompt engineering and AI-augmented development.

System scalability and performance optimization.

Functional programming.

Developer productivity and tooling.

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, Facativá, Colombia

2008

High School Degree

EXPERIENCE

eBay

Mar 2022 - present

Staff Software Engineer

Berlin, Germany

- Lead technical ownership of projects from design through delivery for global eBay platform serving hundreds of millions of users
- Led international friction reduction initiatives including Request Shipping, Educational Banner for sellers, Freight Forwarding, and Contact Seller features across Cart and Checkout experiences (2025)
- Served as domain lead for 6 inherited AU applications, managing SLOs, production errors, and system maintenance
- Extensively leverage AI tools (Claude, ChatGPT, GitHub Copilot) for code generation, architecture discussions, and code reviews, achieving 75%+ AI-augmented workflow
- Mentor backend engineers on technical skills and best practices
- Primary stack: Java 17+ with Spring Boot, Scala, Kotlin; GraphQL and REST APIs; Kafka-based messaging; Kubernetes infrastructure

eBay

Nov 2018 - Mar 2022

Senior Software Engineer

Berlin, Germany

- Led technical design and implementation of fraud mitigation system for Rewards platform, protecting millions of users across Europe (2021-2022)
- Co-led development of Rewards Admin Tool, enabling scalable campaign management and configuration across eBay Punkte, seller rewards, and buyer rewards programs (2022)
- Built and maintained microservices for European Rewards platform using Scala and Java, serving millions of active users

- Contributed to global eBay initiatives including payments, shopping cart, and checkout experiences
- Collaborated with cross-functional and international teams in Berlin

Zalando

Software Engineer

May 2017 - Nov 2018

Berlin, Germany

- Backend engineer on Collabary, a fast-scaling intrapreneur project, designing pragmatic systems and processes for rapid growth
- Built microservices using Java 8, Spring Boot, NodeJS, and ExpressJS
- Designed and implemented database models using PostgreSQL and MySQL
- Deployed services on AWS infrastructure using Docker and internal Zalando tooling

Prodigious Latin America

Senior Software Engineer

March 2015 - April 2017

Bogotá, Colombia / San Francisco, US

- Backend engineer and technical referent for Hewlett Packard, USANA, and Renault-Nissan projects
- Developed enterprise solutions using Java, Adobe Experience Manager, and Apache Sling
- Collaborated with large international teams across US and Latin America

Aentropico SAS

CTO & Full Stack Developer

August 2013 - December 2014

Bogotá, Colombia / Rio de Janeiro, Brazil

- Technical leader and architect for predictive analytics platform using machine learning and data analysis
- Built backend systems using Scala, Akka, Spark, NodeJS, and R for data processing and analytics
- Designed and implemented REST APIs, NoSQL databases (MongoDB), and frontend applications
- Managed infrastructure deployments on AWS, Docker, and Heroku with OAuth 2.0 security
- Led requirements engineering and served as Scrum master for sprint planning and delivery

IBM

Technical Analyst

August 2012 - December 2012

Bogotá, Colombia

- Application integration engineer for banking enterprise using CMMI Level 5 methodology
- Implemented integration services using Websphere Message Broker and Java adapters

SoftOne SAS

Freelance Developer

June 2012 - August 2012

Bogotá, Colombia

- Developed web services using JEE framework for IVR management system
- Built mobile applications using J2ME platform

PERSONAL INITIATIVES

Cumbe - Colombian Traditional Music Group

Founder & Musician

2022 - present

Berlin, Germany

- Founded and perform with Colombian traditional music ensemble in Berlin
- Play gaita (Colombian flute), bandola (Colombian string instrument), and guitar
- Currently studying both instruments and music harmony
- Bridge Colombian cultural heritage with Berlin's diverse music scene

Bogotá Lambda

Coorganizer

January 2016 - April 2017

Bogotá D.C

- Coorganizer and promoter of functional programming meetup
- Speaker on functional programming concepts using Scala and Haskell

TECHNICAL SKILLS

AI & ML	LLM integration, prompt engineering, AI-augmented development
AI Tools	Claude, ChatGPT, GitHub Copilot (75 %+ daily workflow)
Programming languages	Java (expert), Scala (expert), Kotlin, Javascript
Frameworks	Spring Boot, ZIO, Scalaz, Vavr, NodeJS, ExpressJS
APIs	REST, GraphQL, SOAP
Databases	Oracle, MongoDB, NuDB, PostgreSQL, MySQL, Redis
Messaging & Streaming	Kafka, event-driven architectures
Infrastructure	Kubernetes, Docker, AWS
Architecture	Microservices, distributed systems, SOA,DDD, design patterns
Tools	Git, Maven, SBT, Gradle, npm

PROJECT MANAGEMENT SKILLS

Methodologies	Scrum, Kanban.
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LANGUAGES

English	Fluent (7+ years working in English)
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 & WORKSHOPS

Quantum Computing Workshop	<i>2024</i>
4-week intensive workshop on quantum computing fundamentals	
Coursera, Yale	<i>May 2021</i>
Financial Markets - Risk management and behavioral finance principles	
Coursera, Stanford	<i>April 2016</i>
Machine Learning - Supervised/unsupervised learning, neural networks, deep learning, and ML best practices	
Coursera, École Polytechnique Fédérale de Lausanne	<i>May 2015</i>
Principles of Reactive Programming - Building scalable and resilient message-driven systems	
Coursera, École Polytechnique Fédérale de Lausanne	<i>September 2014</i>
Functional Programming Principles in Scala	