Fabio Steven Tovar Ramos
Software engineer

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📅 22 years old

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🏳 Colombian

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Education

Computing and Systems Engineering / National University of Colombia Bogotá, Colombia

Since January 2016

Main subjects: Software Engineering, Fundamentals of computer science, Systems, Machine Learning, Intelligent Systems, IoT, Software Architecture.
Occupational skills covered:
▪ Design and implementation of software for web, mobile phones and computers.
▪ Understanding of discrete mathematics and its use to solve problems.
▪ Design patterns and principles of software development and software architecture.
▪ Use of machine learning techniques and models to solve complicated problems.
▪ Analysis of data.
▪ Cloud infrastructure and its use.

Technical Bachelor in Systems / Escuela Tecnológica Instituto Técnico Central Bogotá, Colombia

From January 2011 to December 2015

Main Subjects: Math, Technical Drawing, Fundamentals of Programming, Fundamentals of computer networks, Web development.
Occupational skills covered:
▪ Problems solving
▪ Algorithms
▪ Programming paradigms
▪ Programming techniques

Diplomas, courses and certificates

Diploma in Network Protocols and Middleware Architectures for the Internet of Things / National University of Colombia Bogotá, Colombia

June 2018

Main subjects: IoT, computer networks.
Occupational skills covered:
▪ Design IoT systems for several purposes.
▪ Implementation of IoT architecture over different platforms.

Work experience

Full Stack Engineer / BunnyStudio Remote

Since September 2020

▪ Fix and extend functionalities in the platform.
▪ Maintain high user satisfaction when using the platform.

Full-Stack Engineer / Conexred SAS Bogotá, Colombia

Since 2020

▪ Implementation of back-office in VueJS.
▪ Maintain and extend the back-end system on Ruby on Rails.

Full-Stack Engineer / Autsoft Solutions SAS Bogotá, Colombia

From May 2019 to November 2019

▪ Development of a mobile application using a cross-platform framework.
▪ Definition of the system's architecture for a new platform.
▪ Databases design.
▪ Implementation of the system using Ruby on Rails, NodeJS and React Native.
▪ Creation and configuration of the necessary infrastructure to support the application in cloud (AWS).

Android developer / ProAmbiente SAS Bogotá, Colombia

From August 2016 to December 2018

▪ Design and implementation of a mobile application using Android platform.
▪ Mock-ups creation for application visual design, according the user's needs.

Languages

Spanish

Mother tonge

English

› IELTS : 6/9

German

› KDS : 68/100

Interests

Learning about computing, specially about Machine Learning and Systems Design

Being involved with pedagogical and community volunteer events

Teaching and mentoring

Awards

Celestini Program / Marconi Society Palo Alto, California

April 2019

Winners of Celestini Program: a competition which main idea is empowering students to solve local issues using technology.

My job was to lead the three students team through planning, design, implementation, monitoring and closure of the project. The project involved:

- Internet of Things
- Machine Learning
- Computer Networks
- Precision Agriculture

I, as the project leader, was invited to Palo Alto, California to the award ceremony in this year.

Online courses and MOOCs

I am motivated to learn a lot about of Software Engineering and Machine Learning. Therefore, I have taken some massive open online courses (MOOC's) on different platforms:

- Engineering Maintainable Android Apps. (Universidad Vanderbilt - Coursera - Free Course)
- Machine Learning. (Universidad de Stanford - Coursera - Free Course)
- Scalable Microservices with Kubernetes. (Google - Udacity - Free Course)
- Deep Learning A-Z™: Hands-On Artificial Neural Networks. (Eremenko K., Ponteves H. & SuperDataScience Team - Udemy - Certified Course)
- Google Cloud Platform Big Data and Machine Learning Fundamentals in Spanish. (Google Cloud - Coursera - Certified Course)

Voluntary experience

Member / Pastoral La Salle Colombia

2020

In my first three years I was in charge of planning, organizing and executing various activities with educational purposes in disadvantaged neighborhoods of my city.

After that, I was responsible for carrying out the annual work project and leading a group of 10-15 people approximately to execute this plan.

In my last year I was selected to coordinate the annual biggest activity of the group, here I lead a group of 80 people roughly for one week.

We also did popular education projects in some towns of Colombia involved with some social problems. The mission was preparing young people for state tests and motivate them to continue with their studies.

Assets

Communication

- Ease of communication based on empathy and respect acquired in the interaction with my coworkers, study partners and professors.
- Able to receive and give feedback honestly and in an appropriated way. This skill was gained through my work and academic leadership experiences.

Leadership

- Confidence in leadership gained through my successful experience leading teams in various contexts.

Project Management

- Trait acquired thanks to some of my professional experiences.

🐦 @FabioTovar7

in @fabio-tovar-2023b9177