

Andrey A. Masiero

FULL STACK DEVELOPER · RESEARCHER · PROFESSOR

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“Must be the change that you want to see in the world.”

Summary

Proactive. I have 15 years of experience in software development with Java, JavaScript and Python. Frameworks known: Spring, NodeJS, Flask, Django, React and Angular. Main projects are ATM product development for Santander Brasil, an interaction robot to help elderly people and a cognitive chatbot using IBM Cloud Service as Watson, Text to Speech, Speech to Text and Image Recognition. Front-end for Web and Mobile version.

Education

FEI University Center (Fundação Educacional Inaciana Pe. Sabóia de Medeiros)

Sao Bernardo do Campo, Sao Paulo, Brazil

PHD IN ELECTRICAL ENGINEERING FOCUS ON ARTIFICIAL INTELLIGENCE APPLIED ON AUTOMATION AND ROBOTICS

2013, Sep. - 2018, Apr.

- Fulltime Scholarship in CAPES/PROSUP (Brazilian Government).

FEI University Center (Fundação Educacional Inaciana Pe. Sabóia de Medeiros)

Sao Bernardo do Campo, Sao Paulo, Brazil

MSC IN ELECTRICAL ENGINEERING FOCUS ON ARTIFICIAL INTELLIGENCE APPLIED ON AUTOMATION

2011, Mar. - 2013, Feb.

- Fulltime Scholarship in CNPq (Brazilian Government) working on FINEP project in public hospital called “Pesquisa e Estatística baseada em Acervo Digital de Prontuário Médico do Paciente em Telemedicina Centrada no Usuário” (in portuguese).

FEI University Center (Fundação Educacional Inaciana Pe. Sabóia de Medeiros)

Sao Bernardo do Campo, Sao Paulo, Brazil

BACHELOR IN COMPUTER SCIENCE

2005, Aug. - 2009, Jul.

- Social Assistant Scholarship from University itself.

Professional Experience

TripAdvisor

Lisbon, Portugal

SOFTWARE ENGINEER

2021, Dec. - current

- Projects: CMS system, content blog and map interaction, and components to the internal design system.
- Responsibilities: Develop and maintain content features, support QA automation tests, monitoring log errors in production, owner of new or AB test projects, and part of the process of CI/CD.
- Technologies: Backend (Java, TypeScript, PHP), Frontend (React/TypeScript, Dust), Docker, Elasticsearch Stack, Solr, Redis, PostgreSQL, and MySQL

Aubay Portugal

Lisbon, Portugal

SENIOR SOFTWARE ENGINEER

2021, Dec. - current

- Full stack software engineer in Viator, a sub brand of TripAdvisor.

FIAP

Sao Paulo, Sao Paulo, Brazil

PROFESSOR

2018, Apr. - 2021, Oct.

- Projects: Cognitive Chatbot using IBM Watson, Text to Speech, Speech to Text and Image Recognition. Front-end ReactJS and Back-end Java/Spring. HR Onboarding System with ReactJS, Java and Oracle Database.
- Lectures about: Responsive Web Development using Java, JSP, JSF, JavaScript, HTML5, CSS3, Bootstrap, Servlet, React, JQuery e JQueryUI. Artificial Intelligence and Chatbots with Python. Microservices and SOA Architecture with Spring. Hybrid Mobile Development with React Native.

Metodista University of Sao Paulo

PROFESSOR

- Coordinator of Programming Contest based on Java and Python.
- Traditional and Online Learning Professor. Lectures about: Oriented Object Programming, Algorithms and Data Structure, Web Application Development, Distributed Systems, Graphic Computing (OpenGL/ WebGL), Design Patterns, Robotics and Artificial Intelligence, Computational Intelligence. Coordinator of study group for programming competition and digital games. Thesis Supervisor for undergraduate students and specialist students.
- Online Course Coordinator in System Analysis and Develop Tech.
- Mentor on Information System, Computing Engineering and Project Management courses.

Sao Bernardo do Campo, Sao Paulo, Brazil

2013, Aug. - 2020, Feb.

CPM Braxis Capgemini

SYSTEM ANALYST

- Responsibilities are Requirement Analysis, Application of RUP methodology on software documentation, Application of Scrum for project manager, UML diagrams, Team activities planning, Team schedule managing, Function point measuring.
- Developed web application using C#.Net and ASP.NET MVC.
- Applied eXtreming Programming techniques the team delivered a project 3 months earlier than expected.

Sao Paulo, Sao Paulo, Brazil

Abr. 2010 - Mar. 2011

VOLANS

SYSTEM ANALYST

- ATM System Developer using languages like COBOL, VB6, C, Java and JavaScript.
- Team Member of integration project between Santander and Real ABN Amro Banks.
- Create a function to improve withdraw option on ATM. It lets the use in 35% faster on withdraw option.

Sao Paulo, Sao Paulo, Brazil

2008, May. - 2010, Apr.

Rodobens Locação de Veículos

SYSTEM ANALYST

- Optimization of process using BPMN.
- Member of Strategic Planning Committee.
- Develop and maintenance of system modules according to user requirements.

Sao Bernardo do Campo, Sao Paulo, Brazil

2008, Jan. - 2008, May.

A&M Sistemas

DEVELOPER

- Develop systems using Linux (Server/Dev), Cobol/VSAM, JavaScript, HTML/DHTML.
- Create a module to control truck tyres consume using AJAX client side and COBOL server side.
- Project Client: Rodobens Locação de Veículos.

Sao Paulo, Sao Paulo, Brazil

2007, Mar. - 2008, Jan.

GOL Airlines

SYSTEM AUDIT INTERN

- Internal Control with Sarbanes-Oxley (SOX).
- IT Control with COBIT.

Sao Paulo, Sao Paulo, Brazil

2006, Jun. - 2007, Mar.

EGO Informática

SUPPORT ANALYST

- Develop a news database to website using Java.
- Computer maintenance.
- Telephone central maintenance.
- User Support by e-mail, telephone or personally.

Sao Bernardo do Campo, Sao Paulo, Brazil

Nov. 2003 - Mai. 2006

Additional Credentials

Latin American and Brazilian Robotic Competition

STANDARD EDUCATION KIT (SEK) CATEGORY ORGANIZER

- Competition Rules Review.
- Technical Responsible Person.

Brazil

2013, Jan. - 2017, Dec.

ROBOFEI Team

MEMBER

- Service and Health Robotic focus on Human Robot Interaction.
- Developing focus on RoboCup home tasks competition using ROS, Python and C++.

Brazil

2013, Sep. - 2017, Sep.

OBMEP - Brazilian Mathematical Olympiad for Public Schools

JUDGE

- Second phase judge.

Brazil

2013, Jan. - 2014, Dec.

Awards

INTERNATIONAL

2016 **Finalist**, RoboCup Home

Leipzig, Alemanha

DOMESTIC

2016 **First place**, RoboCup Home

Recife, Brazil

2015 **Third place**, RoboCup Home

Uberlandia, Brazil

2015 **First place**, Academic Honor in FEI University Center

Sao Bernardo do

Campo, Brazil

2009 **First place**, VII EXPOCOM - Computer Science Projects Exhibition in FEI University Center

Sao Bernardo do

Campo, Brazil