
Profile

Bilingual engineer in Computer Science specialized in Web Development, User Experience and Product Design. I am a front-end development expert with more than 10 years of experience using state-of-the-art technologies. I have great skills in software architecture, problem solving and data modeling, as well as in understanding end-users needs.

Skills

Web Development: HTML, CSS, Javascript, Django, Wordpress, NodeJS
Software Engineering: Python, SQL, Data Modeling, Regular Expressions
Product Management: Product Design (UX, UI), Project Management, Design Thinking, Agile

Experience

Torre Technologies Co. Oct 2016 - Present
Product Manager, Voice123

- 🔗 Product design (UI and UX) and management of Voice123, the first online marketplace for voice overs.
- 🔗 Analysis of user and system requirements, and selection of suitable technologies.
- 🔗 Creation of queries and dashboards of statistics and forecastings for data analysis and business intelligence.
- 🔗 Technologies: HTML, CSS, Typescript, VueJS, NodeJS, Python, Django, PostgreSQL, Sketch, Metabase, Google Analytics, R language, and others.

Torre Technologies Co. Apr 2015 - Sep 2016
Senior Front-End Developer, Voicebunny

- 🔗 Front-end development with HTML, LESS, CSS, Javascript, AngularJS, Bootstrap.
- 🔗 Back-end development with PHP, CakePHP, Scala, NodeJS and MySQL.
- 🔗 Design, implementation, and project management of an unifying authentication system using Django, PostgreSQL, OpenID Connect, and OAuth 2.0.

Prodigious Latin America Jan 2015 - Mar 2015
Front-End Architect

- 🔗 Defined the front-end technology stack for the US website of top worldwide financial services corporation.
- 🔗 Developed proof of concepts using different technology stacks, in order to evaluate the best one for the project.
- 🔗 Made part of the recruiting process for more than 10 candidates, as a technical interviewer and test evaluator.
- 🔗 Technologies: HTML5, CSS3, Javascript. Swig (templating and static site generator), SCSS, Bootstrap, jQuery, Iodash. NodeJS, Express, LiveReload. Gulp, W3C Validator, Aria Linter, JSHint, JSCS, SCSS Lint, CSS Lint, Autoprefixer.

inQbation Labs Jul 2012 - Dec 2014
Sr. Web Developer | R&D Engineer

- 🔗 Designed and developed of new SAAS applications from scratch.
- 🔗 Used Scrum and Kanban (agile methodologies) for software development.
- 🔗 Used Design Thinking methodology for product design and development.
- 🔗 Technologies: HTML5, CSS3 (LESS), Javascript, PHP, Python. Wordpress, Django, Drupal, Web2py, CakePHP. Bootstrap, jQuery, Google Maps, HighCharts, W3C standards, Section508.

Freelance Services

Nov 2006 - Present

Web Developer, IT Consultant

- 🔗 Specialize in front-end technologies, including HTML, CSS, Javascript, VueJS, AngularJS.
- 🔗 Experience using back-end technologies such as Python, Django, PHP, NodeJS, Wordpress, MySQL, PostgreSQL, Oracle.
- 🔗 Capable of defining use cases, identifying user needs, implementing business logic, and database modeling.
- 🔗 Focused on quality assurance and use of best practices for cross-device compatibility, performance, SEO and overall UX.
- 🔗 Projects include corporate websites, mobile web apps, e-commerce solutions, aircraft booking systems, e-mail marketing, etc.

Pontificia Universidad Javeriana Cali

Sep 2011 - Jun 2012

Jr. Innovation Consultant

- 🔗 Innovation Consulting project based on the Design Thinking methodology, and focused on solving a "vaguely defined problem" given by Banco de Occidente.
- 🔗 After the successful consulting project, Banco de Occidente created its Department of Innovation and developed several products ideas designed during the project.

trappt.com

Mar 2012 - May 2012

Co-founder & Mobile Developer

- 🔗 Cross-platform mobile app development.
- 🔗 User Interface and User Experience design.
- 🔗 Technologies: HTML5, CSS3 (LESS), Javascript, jQuery, jQuery Mobile, Google Maps API.

Pontificia Universidad Javeriana Cali

Mar 2010 - Jun 2011

ME310 Teaching Assistant

- 🔗 Managed logistics and budget for the course: Project budgets, schedules, transportation and lodging for students.
- 🔗 Supported student teams learning the Design Thinking methodology, and provided constructive feedback to their process.

Solare Group

Jan 2010 - Jan 2011

CTO

- 🔗 Designed a cutting-edge e-business platform using Django + PostgreSQL for online auction shoppers.

Pontificia Universidad Javeriana Cali

Jul 2007 - Dec 2007

Research Assistant

- 🔗 Co-authored "A Case Study in JML-Assisted Software Development", published in the ENTCS Vol. 240, 5-21, 2 July 2009, and presented by Prof. Nestor Cataño at the "Brazilian Symposium on Formal Methods (SBMF 2008)".
- 🔗 Formed a case study in formal software development of a plugin for a Java project management application using JML.
- 🔗 Demonstrated how the use of JML for modeling software requirements can enforce the programming of correct Java code and contribute to effective decision-making within a software development team.

Pontificia Universidad Javeriana Cali

Aug 2006 - Nov 2009

Teaching Assistant

- 🎓 Software Engineering Processes (2009-2)
- 🎓 Product Design (2009-2)
- 🎓 Formal Methods for Software Development (2009-1, 2008-2, 2008-1)
- 🎓 Web Services and Development (2009-1)
- 🎓 Low-level Programming (2007-2)
- 🎓 Introduction to Programming (2007-1, 2006-2)

Education

Pontificia Universidad Javeriana

Jan 2010

🎓 Bachelor of Science (B.S.) in Computer Science and Engineering

Stanford University Graduate School of Business

Aug 2017

🎓 Executive Program in Endeavor Innovation and Growth

Massachusetts Institute of Technology

Jul 2013

🎓 Summer Program Colombia in AIT: Entrepreneurship, Innovation and Mobile Technology

Stanford University

Jun 2009

🎓 Global Partnership in ME310: Design Thinking

I.T.I. Manuel Antonio Bonilla

Jun 2003

🎓 Technical High School in Electricity