Daniel Simonelli

Full Stack Developer*

React JS: **CER-4Z1VXY49-661731**
Angular: **CER-TXOTP41B-661732**
Node JS: **CER-SEE4BLTC-661733**
Professional FSD: **CER-BE8V4884-661730**

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linkedin.com/in/daniel-simonelli-22709109/ in

- A systems engineer with 5+ years of experience with all stages of the development cycle for dynamic web projects and general-purpose systems. Well-versed in numerous programming languages including (but not limited to) HTML5, PHP OOP, JavaScript, CSS, as well as libraries/frameworks like React JS, Angular, Express, Node JS and Relational and non-Relational Database Systems (MySQL, MongoDB).
- As a freelancer, in the near past has interacted with FPMT Italy group of translators to devise a Translation Tool that increased productivity by 300%.
- Experienced team leader, who provided adequate training, guidance, and support to 20+ engineering undergraduate students in thesis with a 100% success ratio.
- Strong background in R&D. Have worked for 10+ years linked to the area of embedded systems, FPGAs, and digital design, producing 19 papers in this field.

Education

Systems Engineer   1996
National University of Buenos Aires Province's Center[1]

Skills

- **Full-Stack Development**
  PHP, React JS, Angular, Node JS, Mongo DB, MySQL, Express, Firebase, Google Cloud, GitHub

- **Web3 / Blockchain**
  Solidity, OpenZeppelin, Moralis, Truffle, HardHat, Ganache

- **Mobile Development (Android, iOS)**
  Flutter, React Native

- **Container Development**
  Docker, Kubernetes (newbie)

Thinking through
Micromanaging
Goal oriented
Future focused
Critical thinking
Resiliency
Time management
Leadership
Creativity
Verbal and written communication

Languages

Spanish   English   Italian

Employment

Freelance Professional Full Stack Developer   **2015 - present**
- Systems analysis with clients to determine requirements.
- Analysis of data including modelling.
- Software development for both web and mobile.
- Field testing, implementation, and evaluation.
- Production of final project reporting and English, Spanish and Italian languages documentation and training.

CIO and editor at Shang Shung Publications for Spanish branch   **2005 - 2019**
- Custom-specific software to convert proprietary eastern text into Unicode.
- Custom-specific software to transliterate eastern text into western languages.
- Editor for SSP Publications in the Spanish language, responsible for more than 300 book orders delivered to different countries with a 100% on-time success.
- Translation, proofreading, and editing of 84 books in Spanish from English and Italian sources.

Research & teaching at UNCPBA[2] (1997-2006)

Research & IT Projects
- **All-Purpose Intelligent Embedded Algorithms**   **2004 - 2006**
  This project's aim was the definition of a methodology and the development of the corresponding tools to assist in the design and implementation of embedded systems tailored to the application, using Artificial Intelligence techniques for pattern detection in signals or images, system control, and autonomous vehicle navigation. These systems were intended for platforms such as microcontrollers, generic processors, and custom circuits in FPGA or ASIC.
- **Artificial Intelligence Algorithms for Embedded Systems**   **2000 - 2003**
  Methodologies and Tools.

- **Advanced Technology Application Specific Integrated Circuits**   **1997 - 2000**
  This project's main aim was the development of design methodologies for dedicated systems. From this main framework, several strongly interacting lines of work emerged to cover the different aspects of the co-design process of an integrated hardware and software system, such as Co-design, Specific Processors, Testing, Applications, and Computer Arithmetic.
- **A Methodology and Tools for ASIC Development**   **1995 - 1997**
  Methodology and Tools for the Development of ASIC Integrated Circuits.
  Applications of ASIC Techniques for the Materialization of Controllers based on Fuzzy Logic.

As a teacher   **1996 - 2006**
- Delivered lectures in congress
- Devising and delivering interactive teaching sessions
- Supervised and assessed student presentations

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[2] UNCPBA stands for Universidad Nacional del Centro de la Provincia de Buenos Aires.