



JOSE MANUEL BANDE SERRANO

Web front-end and back-end developer and DevOps.

CONTACT

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Location Havana, Cuba.
Nationality Cuban.

EDUCATION

B.Eng: "Universidad Tecnológica de la Habana José Antonio Echeverría", CUJAE, Habana, Cuba. 2004 – 2009.
Major: *Engeenery on Electronics and Telecommunications.*

SKILLS

- ✓ Ruby on Rails full stack.
- ✓ Front-end (JS, CSS, HTML, AJAX, JQuery).
- ✓ Responsive design (Bootstrap).
- ✓ MVC and API REST.
- ✓ Non-relational, Relational, and Graph-based Data Bases.
- ✓ Ecommerce, Stripe.
- ✓ Git, Git-flow.
- ✓ Elasticsearch.
- ✓ Nginx.
- ✓ Capistrano.

PROGRAMING LANGUAGES

Ruby, Python, JScript, HTML, CSS, JS,
BASH, C, C++, VHDL

WORK EXPERIENCE

Entrepreneur, Freelance-web developer, Havana, Cuba.

November, 2016 – Current.

Completed Project:

- ✓ Lebalink. www.lebalink.com: (Personal Project) Online platform for Touris and Turistical Services commercialization.
- ✓ Webuhos. www.webuhos.com: Web page of my organization.
- ✓ Ediciones Espiral Eterna. www.eeebrouer.com: (ecommerce of musical works of Master Leo Brower). I performed as Information Architect, Data Modeler, Backend-programmer, DevOps.
- ✓ Kewelta: Social Network for Advertising, www.kewelta.com: Backend-programming and Front-end programming, deployment and web analytics.

DATYS, Havana, Cuba.

September, 2009 – January, 2016

RESEARCHER / SOFTWARE DEVELOPER

Software systems and solutions targeting the defense. Research in Pattern Recognition, Data Mining and Highly Computational problems.

- ✓ Researched and developed novel reconfigurable hardware architectures for fast string matching on high speed network data streams. This work is published in scientific online series.
- ✓ Research in data mining algorithms for mobile message span detection.
- ✓ Participated in the development of a parallel-distributed finger-print matching system. This project was granted with the best national IT project award, given by the Internal Defense Ministry of Cuba.
- ✓ Participated in the development of a parallel-distributed face recognition system. This system was deployed in several South American countries.
- ✓ System architect of a telephone-fraud detection system.
- ✓ Lead the development team for the telephone-fraud detection system.

MOST RELEVANT PUBLICATIONS

- ✓ José M. Bande Serrano, José Hernández Palancar, René Cumplido, "The evaluation of ordered features for SMS Spam filtering", Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications. CIARP-2015.
- ✓ José M. Bande Serrano, José Hernández Palancar, René Cumplido, "High Throughput signature based platform for network intrusion detection", Proceedings on: Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications. Lecture Notes in Computer Science, LNCS. Vol. 8259, (2014), pp. 544–551. Springer.
- ✓ José M. Bande Serrano, José Hernández Palancar. "String Alignment Pre-detection using Unique Subsequences for FPGA-based Network Intrusion Detection". Computer Communications, 2012. Volume 35, Issue 6, 15 March 2012, Pages 720-728.
- ✓ José. M. Bande Serrano, José Hernández Palancar, René Cumplido, "Multicharacter Cost-effective and High Throughput Architecture for Content Scanning". Microprocessors and Microsystems, Volume 37, (2013), Pages 1200- 1207.

LANGUAGES

English, Spanish