Javier Caballero Barrios

Mobile phone:	+34 644 55 40 28
Email:	Jr.caba@yahoo.com
LinkedIn:	https://www.linkedin.com/in/jrcaballerob/
Website:	https://sengaigibon.github.io/

Profile

Computer systems engineer specialized in programming languages and databases, networking, electronics and technology. My goal is to take up challenges and to convert theoretical knowledge into practical solutions for our day-to-day life. I am convinced that the technology that works for the people is the key to achieve a higher quality of life.

Education

2002 – 2007	**Bachelor of Engineering in Computer Systems** Area: Programming Languages and Databases Veracruz Institute of Technology, Mexico
1999 – 2002	**Mechanical Industry Technician** High school of Technology, Industry and Services, Mexico

Work Experience

Lead Developer, Modix GmbH
September 2022 – present

- As the Leader of a Product Team, I work alongside a talented team of backend and frontend engineers driving the vision for the future of the Digital Retail Websites, by designing and developing the platform and services that enables users (dealers) to effortlessly create and maintain their own Vehicle Retail Websites. Our tech stack is AWS / Docker / PHP 8 / NextJS.
- Design and development of API services based on Symphony 7 / PHP 8.4 / API-Platform 4 for providing website configurations, vehicle/dealer/geolocation data and other services.
- Development of a web-based tool for managing data related to vehicle manufacturers, models, model translations, Symphony 7 / PHP 8.4.
- Maintainer of various company legacy services, e.g. datacenter tool, translation tool, etc.
- Backend engineer, code reviewer and mentor.

Backend Developer, Modix GmbH
2019 June – September 2022

- Backend developer, using PHP / Zend Framework / Doctrine / MySQL / Java for maintaining and extending the existing CMS/Vehicle Management System
- Design and implementation of interfaces to consume third parties web services based on SOAP and REST
- Release Manager and leader of a Task Force Team
- Maintenance and update of our Vehicle Information Server, Java based, with data from Eurotax, DAT, Schwake and Jato.
- Backend leader for the projects (retail websites) Niw/Faconauto (niw.es), Nissan Spain (occasion.nissan.es), Honda Spain (vehiculosdeocasion.honda.es) and others.
- Responsible for technical evaluation of requirements, task breakdown, and timeline estimation to guide projects execution.
- Guiding and onboarding new team members.

Backend Developer, Modix China - 摩狄科 (上海)
2017 March – 2019 June
- Backend team member, using PHP / Zend Framework / Doctrine / MySQL / Smarty / Java / jQuery to create new modules and features for an existing CMS/Vehicle Management System
- Development of the E-Commerce platform for the second biggest vehicle reseller group in China (Zhongshen)
- Development and maintenance of the online payment modules implementing the two main Chinese payment gateways WeChat and Alipay.

Software Engineer, TMO Group China
2015 October – 2017 March
- Design and development of Magento2 E-Commerce modules for the Chinese market
- Integration of Magento2 into the Wechat ecosystem
- Backend support: setup of linux-based environments, Nginx/php-fpm servers, Docker containers, DNS services, proxy servers and networks, usage and maintenance of Git repositories, database design/deploy/management (MariaDB/MySql)

Specialist in Engineering and Flow Metrology, Maquinaria Doga SA de CV
2014 February – 2015 September
- Database administrator (MySQL, MS SQL Server [transact SQL])
- Design and development of Uncertainty Estimation Software (C#/Java/MySQL)
- Development of uncertainty estimates and budget of measurement for liquid hydrocarbons metering systems (VB for Applications)
- Development of metrological diagnoses for crude oil metering: proposal for technical improvement, software audit and revision

Senior Specialist in Hydrocarbons Measurement, Universidad Juaŕez Autońoma de Tabasco
2012 September – 2014 January
- Development of documental diagnoses about the state of Crude Oil Metering Systems
- Implantation of a Measure Management System in Pemex, based on its Mexican version of ISO 10012:2013 (NMX-CC-10012-IMNC-2004), on three Crude Oil Metering Facilities.
- Revision and evaluation of software configuration in flow computers, flow transmitters, gas chromatographs, ultrasonic flow meters, to ensure compliance with international standards and contractual metrological requirements

Contract Supervisor, Ingenieriá Orco SA de CV
2012 February – 2012 August
- Planning and monitoring maintenance programs
- Preparation of monthly estimates of work performed
- Management and supervision of four technical teams for industrial maintenance
- Monitoring contract compliance

Field Engineer, Ingenieriá Orco SA de CV
2011 March – 2012 February
- Configuration, failure detection and calibration of gas chromatographs, flow computers, radar level gauges, signal conditioners, multivariable transmitters, temperature/pressure transmitters, water cut detectors and ultrasonic flow meters
- Configuration and programming of HMI/SCADA systems, redesign of software and databases (HTML, Java, C#.Net, VB, SQL Server)

CEO / Software developer, Soporte y Desarrollo de Veracruz
2008 September – 2010 July.
- Business founder and project leader
- Monitoring of project plans on software development (C#.NET, VB, Java, C++)
- Design and proposals on innovative software
- Webmaster and DB administrator (HTML/PHP/JS, Apache/MySql/SQLServer)

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Computer Systems Engineer

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Personal skills

- Managerial skills, initiative-taking and can work independently or as part of a team
- Quick learner, flexibility in terms of duty
- Ease of speaking in public
- Languages: Spanish (native), English (fluent), Mandarin Chinese (basic), German (basic)

Technical knowledge

- I work with Agile Methodologies
- Programming languages: PHP, Java, Go, C, C++, Python, Visual Basic, VBA , C#.NET, Swift, Javascript, Typescript, HTML, CSS
- Frameworks: Electron, Symfony, jQuery, Doctrine, Zend, Composer, API-Platform
- AWS; Web servers Apache, Nginx; virtualization with Docker and VirtualBox;
- Databases: MariaDB, MS SQL Server, Mysql, SQLite; Elastic and OpenSearch, Apache Solr
- Git, Jira, Confluence, advanced Excel y Word, Autocad, Corel Draw, Gimp, Inkscape, Vi, Sublime Text
- Operating systems: MacOS, Linux, Windows, Android

Interests

Outdoors sports, rock climbing and yoga. History and science. Photography. Movies and instrumental music. Travelling and getting to know different cultures and traditions.