Azarel Doroteo Pacheco

General Development Languages and Tools

Languages	C (advanced), C++ (advanced), Java (advanced), PHP (intermediate), Python (basic), Ruby (advanced), SQL (advanced), Erlang (basic), Elixir (basic)	Web	HTML (advanced), JavaScript/CofeeScript (intermediate), CSS (intermediate)
Frameworks and specifications	Ruby on Rails, Hibernate, JDBC, JPA, JUnit, JBoss-Seam, CakePHP, Qt, Joomla, Prototype, Scriptaculous, WebServices, RESTful	IDE	Eclipse, NetBeans, advanced Vim
DBMS	MySQL, PostgreSQL, Sqlite	Operative Systems	Linux, *nix

RoR Related Development Tools

Testing	Rspec, Minitest, Cucumber, Capybara, Jasmine, Webrat, Mocha, Shoulda	Deployment	Capistrano, Apache, Passenger, Nginx
View	Simpleform, Haml, JQuery, Backbonejs, CoffeeScript	Miscellaneous	FactoryGirl, JRuby, Sinatra, Heroku, RVM, Lotus

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Professional Experience

2011-present **Cerfified Scrum Master/Certified Scrum Developer/Software Architect**, *LogicalBricks*, Oaxaca de Juárez, Oaxaca.

Developing, maintaining and upgrading company's main projects. Formating a high performance team, capable of working under pressure and providing results in short time periods. Implementation of agile methodology practices like Scrum, pair programming and BDD.

Example Projects:
- Modeling and coding a system for a PAC applicant company to seal and stamp digital invoices implementing the model given by the Mexican Tax Agency [developed with RoR in a period of 3 weeks]
- Planning, modeling and coding a system for financial institutions to report a specific tax to the Mexican Tax Agency [developed with RoR in a period of 1.5 months, using BDD]
- Planning, modeling and coding a billing system using two-dimensional barcode, following the specification given by the Mexican Tax Agency [developed with RoR in a period of 2 months, using BDD]
- Creating and contributing to some gems, such as rieles, to_xls, identificamex, mortero.
- Building a Learning Management System integrated with an e-commerce application for a Canadian company [Remotely outsourced]
- Planning, modeling and coding a billing system for the new Mexican digital billing specification.
- Planning, modeling and coding a system for the Oaxacan State Goverment Agency in charge of Public Service Announcement to manage the expenses and bills.

2014-2015 **Professor**, *Instituto Tecnológico de Oaxaca*, Oaxaca de Juárez, Oaxaca.

Professor in the computer department.

Subjects:
- Software Engineering
- Frameworks and Aspects Oriented Software Paradigms
- Programming with Design Patterns and Components

2006–2011 **Senior Engineer/Technical Lead/Project Manager**, *KadaSoftware, Universidad Tecnológica de la Mixteca*, Huajuapan de León, Oaxaca.

Participating as a key member in the company consolidation, performing various roles and transfering knowledge to junior developers. Implementation of best development practices, such as automatized testing, frequent releases in short development cycles, use of version controlling system, use of design patterns in system modeling and, in general, improvement of the code quality.

Featured Projects:
- Defining architecture, technolgies and platforms to be used in an integral scholar software for the Oaxaca System of State Universities [developed with RoR]
- Participating in analysis and construction of the first stage of the website for the state government of Oaxaca, México, in collaboration with the Ministry of Tourism [built with Joomla].
- Developing an administrative and synchronization system, used to interact with LDAP, PBX, and Avaya/Cisco phones [developed with J2EE].
- Modeling and constructing a chat and concurrent call system for the CFE call center. The project was running 6 months behind schedule and shipped in 1 month. [develped with J2EE]

Education

1998–2003 **Computer Engineering, Bachelor's degree**, *Universidad Tecnológica de la Mixteca*, Huajuapan de León, Oaxaca, México, Graduated trhough CENEVAL exam, with High Academic Performance Testimony, 2006..

Languages

Spanish **Native** *Native*

English **Proficient** *Currently taking an English for Business course*

Interests

Free Software Supporter and promoter of Free Software as a mechanism to achive technologic independency, knowledge pluralization and market strengthening.

Agile Methodologies Supporter of agile methodologies as and effective way to develop high quality, really user centric software, where people are more important than processes.

Desing Patterns Promoter of reuse of effective, practical and elegant modeling and designs, based on known solutions for similar approaches.

Best practices In constant search for better ways of building software using best practices in various stages of development.

Characteristics

- Committed, collaborative, fast learning, ethical, autodidactic, passionate about Software Development.
- Interested in culture and sports as means to improve the life quality and the social and educational levels. Fond of music, photography and literature.

Workshops and Conferences

As Attendee

2006-2007 **Tecnological Circuit**, *by SUN Microsystems*, México, DF, Organized by Secretaría de Economía.
Circuit of workshops and conferences about Agile Methodologies and High Performance Teams.

2008 **Spring, Hibernate and JSP**, *by Senior Engineer, Víctor Ramírez*, Huajuapan de León, Oaxaca, México.
Workshop of 40 hours about JSP, Spring and Hibernate.

2009 **JBoss-Seam**, *by por RedHat México*, Toluca, Estado de México, Organized by Instituto de la Funcion Registral del Estado de México.
Workshop about JBoss-Seam as Java development framework.

2010 **Scrum and eXtreme Programming**, *by Milestone Consulting*, México, DF.
Course of 40 hours about agile methodologies, Scrum and XP.

2010 **Tecnological Circuit**, *by Intel Corporation*, México, DF, Organized by Secretaría de Economía.
Seminars on Parallel Programming and Energy Efficient Devices.

2013 **Certified Scrum Master**, *by Mike Beedle*, Mexico, DF.
Certified Scrum Master Course.

2013 **Certified Scrum Developer**, *by Kleer*, Mexico, DF.
Certified Scrum Developer course.

As Speaker

2008 **Introduction to Ruby on Rails**, *Tehuacán, Puebla, México*, Organized by Instituto Tecnológico de Tehuacán.
Ruby on Rails workshop.

2009 **Hibernate and JBoss-Seam**, *Huajuapan de León, Oaxaca, México*.
Workshop of 40 hours of Hibernate and JBoss-Seam for the KadaSoftware's development team.

2009 **Introduction to Joomla**, *Huajuapan de León, Oaxaca, México*, In the III Mixteca Linux Symposium.
Joomla workshop.

2010 **Discovering Ruby**, *Huajuapan de León, Oaxaca*, In the IV Mixteca Free Software Symposium.
Ruby language workshop

As Organizer

2005 - 2011 **I, II, III, IV and V Mixteca Free Software Symposium**, *UTM, Huajuapan de León Oaxaca, México*.
Series of symposia organized by the Mixteca Free Software User Group, in order to spread the use of free/open source software

2013, 2014 **Coderetreat 2013 and 2014 Oaxaca**, *Oaxaca de Juárez, Oaxaca, México*.
Global day of Coderetreat

2013-present **Coding Dojos**, *Oaxaca de Juárez, Oaxaca, México*.
Series of Coding Dojos sessions organized by Oaxaca.rb, Ruby Users Community Group from Oaxaca, México