

ALEJANDRO CESAR PENA DE ALBA

alejandro.pena.dealba@gmail.com

+44 (749) 27 61 316

EDUCATION

The University of Manchester. School of Computer Science. Manchester, UK.
Masters Degree in Advanced Computer Science (2015 - 2016)
Specialisation in Advanced Web Technologies and Software Engineering
Currently finishing studies for this degree.

National Autonomous University of Mexico (UNAM) Campus: Mexico City
Bachelor of Science in Computer Engineering (2009 - 2013)
Cumulative GPA: 95/100

WORK EXPERIENCE

- 01/2014 – 10/2015 **Oracle Mexico Development Centre.** Worked as: Programmer Analyst.
Ensure availability and performance of systems. Worked with bridges between applications and business integrations. Implementation of operational enhancements and new system capabilities. Support of several core areas such as lead and deal management, opportunities, forecasting, access, partners and customers. Development of several web applications and new initiatives to improve performance and efficiency with Java, JSP, Oracle APEX, JQuery, PL/SQL and Oracle Databases.
- 06/2013 – 12/2013 **Internal Audit.** National Autonomous University of Mexico (UNAM). México City.
Worked as: Web Developer and Tester
Development of the Integrated Management Audits System (SIGA) using JavaServer Pages, Java Swing and connections to Oracle Database 11g R2 with JPA Persistence.
- 06/2010 – 07/2013 **Academic Computing Services Unit (UNICA), Engineering Faculty, UNAM.**
Worked as: Software developer and Web developer.
Development of a curricular control system used to manage the renewal of the 13 majors offered within the Engineering Faculty using Java, JSP's, AJAX, jQuery and PostgreSQL databases.
- 2012 – 2013 **Programming instructor in several courses** (Java, C, SQL, XQuery/XPath, Algorithms and Data Structures, JSP with databases, XML)

MAJOR WORK PROJECTS

- 06/2015 – 12/2015 **Oracle Development Centre (MDC)**
Product: **APAD** (Access Provisioning Administration System). This software was built on top of a legacy system that involved huge amount of manual work. Right now is used in Oracle Production environments simplifying all the tasks that involve access grants to customers and employees as well. Improved efficiency reducing work time and load by 70%. Built with Oracle APEX, JavaScript, JQuery, PL/SQL and Oracle Databases.
- 01/2016 – 09.2016 **Oracle Development Centre (MDC)**
Product: **TRM** (Test and Release Manager). This system was developed with the purpose of managing the required tests (regression mostly) after a new release or patch applied to the Oracle CRM systems (development, staging or production). The system manages as well the bugs and issues reported by customers. Built with Oracle APEX, JavaScript, Java, JQuery, PL/SQL and Oracle Databases.

TECHNICAL SKILLS / PROGRAMMING EXPERIENCE

TECHNOLOGY	WIDE EXPERIENCE	SOME EXPERIENCE	BASIC EXPERIENCE
Languages	Java, C Language, SQL, PL/SQL, XML	Python, C++, XQuery, XPath	Bash script, C#, SPARQL
Web Technologies	HTML, JavaScript, CSS, JSP, PHP, Oracle APEX	Python with Flask	Struts, Spring
Persistence	JPA, EclipseLink	Hibernate	iBatis
RDBMS	Oracle, MySQL, PostgreSQL	SQLServer, DB2	Sybase

CERTIFICATIONS

- Oracle Certified Expert. Web Services Developer Certification, Oracle. September 2015.
- Oracle Certified Professional. Java Programmer Certification, Oracle. October 2013.
- Junior Programmer for Android Certification. Open Intelligence, 2012.

COURSES TAKEN

- Modelling Data on the Web (tables, trees and graphs data models)
- Querying Data on the Web (SQL, XPath, XQuery and SPARQL)
- Software Engineering Concepts in Industry (Costs)
- Agile and Test Driven Development (Using Scrum Methodology)
- Component Based Software Development
- Pattern Based Software Development

LANGUAGES

Spanish: Native

English:

Reading: 100%

Writing: 100%

Speaking: 100%

German:

Reading: 40%

Writing: 20%

Speaking: 20%