M.I. Daniel Cortes Pichardo
Curriculum Vitae

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INTRODUCTION

Software Architect Coordinator at INFOTEC. Responsible for the technical direction of many projects. Strong leadership experience on development and system engineer teams. Proven architecture skills on design and implementation. Over 5 years experience working like technical leader. Currently focused on the process of software architecting on agile methods.

EDUCATION

2011 **Master Degree on Computer Science and Engineering.**
(IIMAS-UNAM)
I graduated with honors, with a GPA of 9.85

Specialization: Software Architecture

2009 **Bachelor of Electrical and Electronics Engineering (UNAM)**
Specialization: Robotics and digital systems

COMMUNICATION SKILLS

ENGLISH	Oral: Good – Written: Good
SPANISH	Native speaker

PUBLIC PROJECTS

2015 **DSL Framework for JFreechart**
DSL graphic generator on Java and graphic generator support based on model elements. This framewor is hosted at Github. https://github.com/ danimaniarqsoft/

2014 **DSL Framework for Apache Poi**
DSL report generator on Java and report generator support based on model elements. This framework is hosted at Github https://github.com/ danimaniarqsoft/

2013 **ASTERIX**
Code generator for JSF 2.2 and Primefaces applications. This framework is hosted at github https://github.com/ danimaniarqsoft/

SKILLS

- Full-Stack Developer

- Self-starter, able to manage individual responsibilities and also contribute successfully to team deliveries on complex, long term projects.

- Full life cycle analysis and documentation, including Terms of Reference, Business Requirements, Functional Specifications and Implementation Plans.

- Excellent verbal and written communication skills. Able to document and present the results of analysis clearly and concisely, using effective written reports and diagrams.

- Unified Modelling Language (UML) analysis, including use case documentation and business modelling.

- Good business-facing skills and ability to successfully solve non-technical business and process issues.

- Strong technical background and full project life cycle experience gained as a former alyst/program delivering enterprise level applications.

PROFESSIONAL EXPERIENCE

MARCH 2015 – PRESENT

México D.F

Software Architect Coordinator at INFOTEC, México

Mentor junior Architects and Software Developers in the INFOTEC, implements a decision making, and architecture governance process. Defining the architectural design process, responsible for performing Architecture Design based on Java platform, conducting product design (Architecture) according to defined design and ensure that the Architecture has a better utilization of physical resources (Hardware). Researching on new products, technologies and models for the development and maintenance of Java Platform and provide training with Java technology.

OCTOBER 2014 – FEBRUARY 2015

México D.F

DIF-DNIAS

Responsible for defining the logical and physics architecture, the technical direction of the project, mentoring and coaching of junior developers. Java Technologies Consultant (JSF Primefaces, Spring Security, Spring core and MyBatis3.0).

NOVEMBER 2014 – OCTUBER 2014

México D.F
Architectural Assets for INFOTEC

Responsible for defining the architectural assets at INFOTEC and the publication of architectural assets in a portal.

OCTOBER 2014 – NOVEMBER 2014

México D.F
DSL as a Framework for generate Excel's reports

Architecture, design, implementation of a DSL for generating reports in Excel with Java and with support for generating reports based on model elements.

JULY 2014 – OCTOBER 2014

México D.F
SEP-SSIEN

Responsible for the technical direction of the project, mentoring and coaching of junior developers. Java Technologies Consultant (JSF Primefaces, Spring Security, Spring core and MyBatis3.0)

FEBRUARY 2014- AUGUST 2014

México D.F
SEP-APAP

Responsible for the technical direction of the project, mentoring and coaching of junior developers. Java Technologies Consultant (JSF Primefaces, Spring Security, Spring core and MyBatis3.0)

OCTOBER -2013- FEBRUARY 2014

México D.F
SEP-CONALITEG

Responsible for defining and implementing the logical and physical architecture that help to solve a completion delay of 40 % behind the schedule. The Architecture was implemented to streamline application development, achieving the project got off at the required times. Mentoring and coaching of junior developers. Java Technlogies Consultant (JSF Primefaces, Spring Security, Spring core and MyBatis3.0)

SEPTEMBER 2013 – OCTOBER 2013

México D.F
INFOTEC- The process of software Architecting

Definition of process architecture for INFOTECprojects.Defining standards for the development and deployment of the solution architecture. Definition and implementation of the design process of architecture, using practices of Software Engineering Institue (QAW, ADD, ATAM, ARID and CBAM). Design and implementation of new functionalities for INFOTEC based architecture. Integration with JEE7 is incorporated.

SEPTEMBER 2013 – OCTOBER 2013

México D.F

INFOTEC-SOA

Acquisition, documentation and evaluation of three technologies for SOA adoption.Proof of concept for the security, interoperability and flexibility of the underlying technologies Planning and execution of concept testing of differents BPMS, ESB, Development Frameworks, and Application Servers.

AUGUST 2013- SEPTEMBER 2013

México D.F
AETI Mobile: Survey system for ICT in mobile version

Principal Architect leader with the role of head of design (TSP / PSP), Mentoring and coaching of java junior developers., Consultant at Java technologies (JSF Primefaces, Spring Security, Spring core and MyBatis3.0).

MARCH 2013 – AUGUST 2013

México D.F
AETI/OETI: Survey system for ICT and SMEs

Software Architect and Senior Programmer, Mentoring and coaching of java junior developers. Consultant at Java technologies (JSF Primefaces, Spring Security, Spring core and MyBatis3.0).

AUGUST 2012- MARCH 2013

México D.F
ENOCOMÍA-SNIIM

Acquisition, documentation and assessment of non-functional requirements of the project module refactoring foreign markets.Impact analysis and implementation of refactoring the persistence layer system. Consultant at Java technologies (JSF Primefaces, MyBatis3.0).

APRIL 2012- AUGUST 2012

México D.F
RENAPO

Principal Architect for system inventory RENAPO, designing and defining the solution. Definition of continuous integration processes using Maven, Hudson, Artifactory and Sonar. Analysis and design implementation services using UML (use cases, sequence diagrams, class diagrams, state diagrams) for the project.

SEPTEMBER 2011 – APRIL 2012

México D.F
Senior java developer at ULTRASIST

Main activities:Attention to incidents requested by the customer. Elicitation of new requirements (Fast Track with UML). Impact Analysis of new requirements. Design of the new requirements (UML). Implementation of new requirements

SEPTEMBER 2010 – DECEMBER 2010

México D.F

DGIRE-UNAM

I was part of the development team that created a new module for DGIRE UNAM. My role on the team was Software Architect. The sysem was developed under Java EE6 technology.

TECHNICAL PROFICIENCIES

Languages and Specifications
Java SE, Java EE, OSGI, JSP, JDBC, JPA, My-Batis, SQL, AOP, C, C++, XML, XHTML, CSS, Shell scripting

Frameworks and Libraries
Spring Framework, Spring MVC, Spring Security, Hibernate, Velocity, iText, Junit, TestNG

Software Engineering
Team Software Process, Personal Software Process, Object Oriented Analysis and Design (OOA/OOD), UML, ER Modeling, Design Patterns, Refactoring Patterns, Unit Testing, Integration Testing, Continuous Integration. The unified process in software engineering, Scrum, Extreme programming

Application Servers
Apache tomcat, JBOSS, WildFly, Apache Web Server, Glassfish, WebLogic

Databases
Oracle, Mysql, PostgreSQL, SqlLite

Content Management systems
Wordpress

Tools
Eclipse, Netbeans, SpringSource Tool Suite, Maven, Subversion, GIT, CVS

Operating Systems
GNU/Linux Fedora, Ubuntu, Windows

CERTIFICATIONS

TSP (Team Software Process) Associate Coach(Provisional) by Software Engineering Institute

PSP (Personal Software Process) Developer by Software Engineering Institute

PROXOR (Rank 2) Developer by A Carnegie Mellon University Spinoff

TRAINING

TSP Coach Training (SEI) by Software Engineering Institute, Carnegie Mellon University

TSP Team Leader Training (SEI) by Software Engineering Institute, Carnegie Mellon University

TSP Team Member Training (SEI) by Software Engineering Institute, Carnegie Mellon University

PUBLICATIONS

2012 **Technological solution: confronting the limitations of a client, INFOTEC-México**

CONFERENCES

2011 **Software Architecture in Agile Methods**
IIMAS-UNAM, México D.F

2014 **The Process of Software Engineering in México**
ITESHU, Hidalgo México

TRAINING COURSES PROVIDED

2016 **How to Implement a Software Development Process (Workshop)**
INFOTEC, México, D.F

2015 **How to Implement a Software Development Process (Workshop)**
INFOTEC, México, D.F

2015 **Software Development Life Cycle**
INFOTEC, México, D.F

2014 **Software Engineering Workshop**
ITESHU, México, Hidalgo

2013 **Advanced Java Web Programming**
INFOTEC, México, D.F

2013 **Data Persistence with MyBatis-JAVA**
SEP, México, D.F

2012 **Advanced Java Web Programming**
IMPI, México D.F

2012 **Training course of JAVA architecture used on INFOTEC**
Business Technology Training Center Master SMEs, México, Puebla