Software Architect, Full Stack Developer, Great experience in Web System and Distributed Systems, Expert in Agile Methods as Scrum

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SUMMARY

Nearly 8 years of experience in development and maintenance of systems, I cover the areas of development systems as hardware, software and networks, my goal is development great systems and solutions, as well as to support decision-making by directing the digital transformation in the correct path, I have a great knowledge in software development with agile methodologies such as Scrum. In addition i have extensive knowledge in Java, web technologies and Oracle environments, relational and non-relational databases such as Mongo and Casandra and free software tools in Linux and Unix environments. I have performed in various roles as a programmer, analyst, administrator, developer, architect, development leader in different organizations with various lines of business such as banking, insurance, educational entities, private consultancies, public consultancies, hotels and the financial sector in general.

SCHOOLING

2008 – 2013	Computer Systems Engineer	Instituto Tecnológico de Tehuacán
2018	Certificación de Scrum Master	Scrum Study

EXPERIENCIA PROFESIONAL

august 2021- december 2021	Interware de México S.A. de C.V. (systems consulter)	Technical leader, Senior Software Developer

- ✓ I accompanied the backend team in the development of a tax collection system for management taxes, I supported to the development team guiding to development, adoptation of the best practices and including agile methods.
- ✓ I developed part of the backend for the cashier module, implementation of business rules, implementation of design patterns, integration of good practices too.
- ✓ Developed microservices with spring boot and mongodb, Kafka integration for application messaging, agile development with scrum, continuous integration with Jenkins.

july 2020 – september 2020 & May 2021 - July 2021	IDS Comercial (Mexican company with more than 39 years of experience, they have CMMI level 5 of software development maturiry)	Senior Software Developer

- ✓ I designed and developed REST services for the SAT mobile application as part of backend development, communication with Buckets AWS as a Database service, also I uses Spring Boot and Java EE, unit tests with Junit and code review with Jenkins.
- ✓ I developed part of the redesign of the web portal for SAT procedures and services, I used SPA technologies such as Gatsby, Strapi, ReactJS, JamStack, AWS, PostgreSQL, heroku, etc.

juny 2019 – juny 2020	INFOTEC (Mexican public research center, belonging to CONACYT)	Software Architect and Full Stack Developer

- ✓ I analyzed, designed and programmed the modules for the management of supplies of materials, I also supported the incident area by solving bugs and scope changes to the Comprehensive Information System of the National Water Commission.
- ✓ I identified and implemented improvements to the architecture of the National Service for Agrifood Health, Safety and Quality, through checklists and workshops, the team was made up of 8 developers, 3 analysts, and 1 Scrum Master, which helped define the tech stack and improved the estimates with a margin of error from 36 units of time to just 10 units of time.
- ✓ I analyzed, designed and developed the administration and search module for data mining dashboards of the FinTech project for the audit and protection of money laundering for the National Banking and Securities Commission, this helped the usability and operability of the system.
- ✓ Used technology: Docker, Apache Mesos, Angular 8, Java 1.8, Spring Boot, SQL Server 2018, Hybernate, NodeJS.

august 2016 – juny 2019	Grupo Posadas (Hotel chain, top 5 in Great Place To Work in Mexico)	TOGAF Architect

- ✓ I supported and improved the Application Architecture through the TOGAF framework, I was in charge of more than 5 development and maintenance applications, among them:
  - Central Reservation System
  - Customer Relationship Management
  - Validation Engine
  - Web portals
  I produced and used checklists which reduced the architecture validations from 3 days to just 1 day.
- ✓ I conducted several proofs of concept, including:
  - Robotic Process Automatization with Blue Prism
  - Comparison of Web Application Server with Payara, JBoss Fuse, Glassfish and Wifly
  - Natural Language Recognition with the Google Cloud Platform API
  - Analysis and design of Microservices based on Spring
  - Refactoring the SOA architecture with Oracle and Java EE
  - Mobile development with Apache Cordova and Ionic and Cassandra as B.D.
- ✓ This helped decision-making and the choice of the technology stack that the company currently uses.
- ✓ I did code refactoring through manual and automatic code analysis with the SonarQube tool, which helped performance and maintenance with a cost reduction of approximately 22 work units per month.

september 2015 – july2016   **Gesfor México (IT consulting, solutions and services)**   **Senior Java Developer**

- ✓ I developed client server applications through workshops and user questionnaires, made mockups through the LucidChart tool, made UML diagramming with a heterogeneous list of user stories, with Java 1.6 object-oriented language, AWT for the frontend, and Sybase as a database.
- ✓ I implemented modules to the application in charge of generating the prices of financial assets through market variables, and improved customer satisfaction by improving automatic and manual processes.
- ✓ Reengineer the processes and scripts of the backend, as well as the database, taking care of the quality attributes of the applications, and reinforcing the low coupling and high cohesion.

july 2014 – august 2015   **Indra México (Spanish multinational company that offers technology consulting services for different areas)**   **Semi Senior BD and Backend Developer**

- ✓ Enhanced legacy systems by refactoring code in the backend with Java 1.6 and Oracle 11g database.
- ✓ I implemented and developed Scripts through stored procedures, functions and triggers to the database with structured language, this helped the policy printing application improve its performance.
- ✓ I corrected bugs in the policy generation systems with languages based on Visual Basic and C #, report generation with Cristal Reports, running on IIS 6.0 servers, customer satisfaction was effective due to the reduction of development time and go to production improving in about 5 hours of work a week.

may 2014 – july 2014   **T – Systems (German multinational of IT and consulting services belonging to Deutsche Telekom)**   **Web Systems Specialist Programmer**

- ✓ I attended to incidents in the area of Attention and Maintenance of Level 3 Systems, translation of problems and inconveniences of the applications that serve regions located in the US, UK, and Germany.
- ✓ Tracking and monitoring of bugs and problems to systems under the .Net platform, middleware built with SAP technology, Oracle databases, Microsoft active directory.

january 2013 – february 2014   **National Institute of Astrophysics, Optics and Electronics**   **Systems Administrator**

- ✓ I designed, developed and implemented a mail server using Open Source tools such as: Postfix, Dovecot, RoundCube, Ruby, Apache Tomcat as Web Server, CentOS as host system, and as KVM hypervisor in a system that was developed for the hospital of the marina and was released 10 months ahead of schedule.
- ✓ I designed, developed, and implemented a server for version control using Open Source tools such as: Git, Gitorious, JBoss AS, Ruby on Rails and as a CentOS base system for the development team, which helped to reduce release times.
- ✓ I designed, developed and implemented a cluster for high performance servers using Open Source tools such as Rocks Anaconda, Open MPI, Apache Mesos, etc., this helped to run from 3 instances to 5 instances of the ANSYS tool on HP servers.
- ✓ Designed, developed and implemented OpenSource hypervisors for the virtualization of various transversal services of the central FAN project using KVM and XEN, this helped to minimize licensing and maintenance costs.
- ✓ Analyzed, designed and generated several local Unix server clones with Open Source tools such as Clonezilla and storage partitioning with LVM.

july 2012 – january 2013   **College: "Sor Juana Inés De La Cruz", A. C.**   **Web Developer and IT Teacher**

- ✓ I analyzed, designed, developed and implemented the institutional portal of the school with Apache Tomcat as application server, PHP for the backend, JavaScript for the frontend, mounted on a Windows Server 2012, and managed the hosting with the internet service provider.
- ✓ I taught information technology courses to guide users to use free tools for school administration, taught how to use free CMS such as Joomla, Drupal, and Wordpress, showed how to make page layout with HTML and CSS and taught how to design pages and edit images with Adobe Photoshop and Adobe Illustrator.

january 2012 – december 2012   **Internet Coffe service**   **Manager bussines local**

- ✓ I installed the LAN network of the cybercoffe with 15 computers in series and 2 in parallel as administrators.
- ✓ I researched, created and implemented programs for the administration of the cybercafé with functionalities such as image freezing, cost management, automatic shutdown, user lobby, usage time sampling, etc.

ADDITIONAL IDIOMS

	Reading	Speaking	Listening
English	70%	50%	60%

WORKSHOPS AND CURSES

Nombre	Instituto	Periodo	Duración
✓ React JS	Udemy	may 2121	6 hrs.
✓ TypeScript: complete guide	Udemy	december 2020	7 hrs.
✓ Functional programming with lambdas and unit test	Udemy	march 2020	5 hrs.
✓ Java in Advance	CIC – IPN	may – june 2019	35 hrs.
✓ *Design patterns in Java*	Abiztar	april 2018	35 hrs.
✓ Data mining with applications	CIC – IPN	january – march 2019	35 hrs.
✓ Project management in IT	CIC – IPN	january – march 2018	30 hrs.
✓ IOS programming course	CIC – IPN	january – marzo 2017	35 hrs.
✓ Oracle database 11g course	Tesla Toy S.A. de C.V.	january – february 2017	40 hrs.
✓ Scrum Workshop	Sulens	september 2015	24 hrs.
✓ Java SE 7 Programmer Intermediate Course	CPDS	august – september 2015	40 hrs.
✓ Intermediate Java Course	CIC – IPN	february - march 2014	35 hrs.