

EDUARDO FERNÁNDEZ

Software developer

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Page <https://about.me/eduardofernandez>

Location Mexico City

Professional summary

- 8 years of experience in IT developing business solutions.
- 1 year as a freelance developer of Android mobile apps.
- 6 months of experience in scientific research.
- Integration of multiple applications by Web services.
- Supervising a team of developers.
- Experience in agile methodology.
- Back and front-end development and maintenance of applications.
- Entity-relationship diagram creation.
- Member of the evaluation team in the certification process of CMMI-DEV/5 and SVC/5.
- Experience in several design patterns such as MVC, MVP, MVVM, Factory, Singleton and others.
- Collection of requirements, planning, and execution of software projects

Education

Computer Systems Engineering

National Polytechnic Institute-Superior School of Computer Sciences.

Courses

June 2016

May 2016

April 2015

Big data processing, data exploration with Scala and Spark

M101J: MongoDB for Java developers introduction to the

CMMI for Development v 1.3

MTA SZTAKI

MONGODB UNIVERSITY

CMMI INSTITUTE

Technical skills

Languages	Java, Kotlin, Python, C++, JavaScript, PHP, Scala
Operating systems	Android, MacOS, Linux, Windows
Data Bases	SQLServer, MySQL, SQLite, MongoDB, Oracle
Application servers	Glassfish, JBoss, Tomcat, WebLogic, Websphere
Web Services	SOAP, REST
Version control	SVN, Git
Dev environment	Android Studio, Eclipse, NetBeans
Modeling	Enterprise Architect, Select architect, StarUML
Management dependencies	Gradle, Maven, NPM, Bower
Frameworks & Libs	Retrofit, OkHttp, Picasso, Glide, Spring Core, Spring MVC, Spring Batch, Spring Data, JavaEE, JSF, JPA, Primefaces, Hibernate, struts, Jasper reports, Apache POI, JUnit, JMeter, angular, NodeJS, Express, JQuery, Ionic, D3, SDL, QT, IBatis
Cloud Services	Firebase
Other tools	SOLR, Docker, Spark, Kubernetes

Professional experience

Martí Group

B&B Technologies

November 2017-Present

Remote website maintenance (www.marti.mx), Attention to new requirements in the e-commerce platform ORACLE ATG, integration with Google Tag Manager, back end changes to the payment engine and purchase order manager to improve the checkout process.

Freelance

Android Mobile Development

January 2018-December 2018

Development of an ANDROID app. It allowed in-restaurant and remote mobile ordering by using FIREBASE.

Android Mobile Development

Development of an ANDROID application with assistive tools for visually impaired users that allows music playing according to a song playlist.

AT&T

Netasystems

July 2017 -November 2017

Maintenance to lusacell legacy system in the payment and services module, this system uses multiple Web services within a multi-service environment with a SOAP architecture.

Computer Research Center

Assistant in the Simulation and modeling laboratory

January 2017-June 2017

Design and prototyping of a computational tool for the simulation of economic models based on computational agents. The agents performed exchanges resulting in two graphs, the first one showing the Lorenz curve with the Gini coefficient which indicated if there is economic inequality in the model, the second is a graph in the shape of a pipeline where the exchanges of the agents are observed.

Assistant in the Simulation and modeling laboratory

Development of a tool implemented in MATLAB, which serves to study multiple similarity and distance techniques for numerical patterns in one dimension.

Ultrasist

National Security Project

October 2015 – June 2016

Leader and developer. Creation of a Web application for the consultation of multiple data sources. has the integration of an authentication system Decentralized connected via Web Service.

Government of the state of Coahuila

May 2015 – October 2015

Technical leader in project of Integral management computer system for the new model of criminal justice, activities to manage the human resources for the implantation and adequacy of the system, monitoring of execution of tests, estimation of times of delivery and adjustments to the system.

CMMI Evaluation Participation in the assessment for CMMI Level 5 certification as part of the evaluation Group <ul style="list-style-type: none"> • Verification of follow-up to the documented process • Interview to the staff, to validate the fulfillment of the areas of the process • Review of documents to guarantee compliance to the process 	April 2015
Secretary of Public Education Developer, project at national level in the creation of a Web site of management of the school control at secondary level, interaction with external and internal systems.	January 2015-April 2015
Pan American Protection Service Maintenance to control and tracking system for transfer of values <ul style="list-style-type: none"> • Interfaces design with JSP struts • GLASSFISH, INFORMIX • EJB 	Nov 2014 – December 2014
Mexico City Government Developer in computer system of mediation units of the General Justice Department <ul style="list-style-type: none"> • Interfaces design with JSP, struts, JQUERY • GLASSFISH, SQLSERVER • Interinstitutional connections via web services JAX-WS • SPRING CORE, hibernate 	May 2013 – October 2014
Fovissste Module developer for information loading, the files are obtained from an FTP server, and the load of information in batch with SPRING batch is executed.	February 2013 – April 2013
Zacatecas Government Developer, Integral management computer system for the new criminal Justice model, activities: <ul style="list-style-type: none"> • Develop business layer services with SPRING. • Creation of business entities to persist information hibernate in database SQLSERVER • Generation of screens for the view of the system with struts, JQUERY. 	Sep 2011 – January 2013
Yucatán Government Developer, Integral Management computer system for the new criminal Justice model, activities: <ul style="list-style-type: none"> • Reception, solution and monitoring of incidents with SQAT. • Development of unit tests with JUnit. • Report module development with JASPER reports. • Maintenance to information kiosk with SWING Technologies, JDBC. 	March 2011 – Sep 2011
Mexican Stock Exchange Collaborating in physical design for the migration of system of registration of values making entity-relation diagrams with the tool ENTERPRICE ARCHITECT	Dec 2010 – February 2011
Tepoalli System developer for virtual evaluations of the Autonomous Metropolitan University unit Iztapalapa, generating scenes and interactive pages in HTML.	June 2010 – November 2010