Mexico City
Mexico

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EMPLOYMENT

Software Engineer   AMK Technologies   Jun 2017 – Sep 2018

- Led the design and development of a high demand API for registering users to entertainment subscriptions, this helped the company attract new clients. So clients could do their own advertisement of new products and subscribe users using the API.
- Standardized creation of the frontend projects (React and Redux).

Software Engineer   Indigo   Sep 2016 – Jun 2017

- Supervised the frontend code base (AngularJS) for Bansefi back office, implementing and teaching best practices, clean code, and incremental refactoring.
- Solved the need of process big CSV files of inventory for Bansefi, by implementing a batch process (Spring Batch) and printing PDF reports with Jasper Reports.
- Led the redesign and development of a "Flights and Hotel Reservation" Ruby on Rails project, that was staled for almost half a year, because there was no Ruby developer. So I had to organize meetings with the previous developer, and then do weekly meetings with the client to report advance and clarify doubts. Culminating in successful end to end tests that implied third party API's.

Software Engineer   Glider Software Solutions   May 2012 – Sep 2016

- Assisted in the redesign of Citibanamex core system for opening new accounts, applying design patterns, TDD, and continuous refactoring. Resulting in a more maintainable and extensible code base.
- Migrated the Citibanamex frontend system for opening new accounts, from FLEX to HTML (JavaScript/jQuery).
- Led the development of a new CIBanco project called "Multicurrency", proposing the use of the Grails framework. At the end the project was successfully integrated with the internal REST services and help to achieve the deadline date.

Software Engineer, Intern   Yum! Restaurants International   Jun 2008 – Jan 2009

- Reduced the missing toys between the provider and each franchise branch office by implementing a project that polled the quantity received from the provider, and sending a weekly email to the financial department with a report.
- Implemented a custom survey for the financial department to post recommendations of new reports, resulting in new metrics that helped the financial team.

EDUCATION

Mexico City   Tec de Monterrey   2005 – 2012

- **M.S Computer Science**, May 2012. Full scholarship with monthly maintenance fee by CONACYT and Tec de Monterrey.
- **B.S Computer Engineering**, May 2010. CENEVAL National Prize, Egress Test (EGEL).

OTHER PROJECTS

- **Intelligent Tutor System for the Training of Novice Operators of a Combined Cycle Power Plant** (2012). Web based classroom where the professors designs exercises for training operators, it has a 3D model of the power plant, use freesteam open source library for the vapor tables, and grade the operators with the help of Bayesian Networks (Elvira tool). Java, C, MySQL.
- **Timbrao** (2017). Project that helps Mexican people to automatize their tax declarations by taking a photo to their receipts from some stores. PHP, JavaScript, Angular 2+, iOS.

LANGUAGES AND TECHNOLOGIES

- Java; JavaScript; Ruby (Prior Experience); C (Prior Experience); SQL.
- Maven; Dropwizard; HBase; Kafka; JUnit; Mockito; Ruby on Rails; React/Redux; AngularJS; Angular 2+; Git; Bash; Docker; NGINX; MySQL; TDD; Design Patterns; Clean Code; IntelliJ IDEA; VIM; Visual Studio Code.