

## EMPLOYMENT

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<b>Software Engineer</b>	<b>AMK Technologies</b>	<b>Jun 2017 – Sep 2018</b>
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- Led the design and development of a high demand API for third party clients for subscribe final users to internal entertainment subscriptions, this helped the company to achieve the goal of attracting new clients.
- Standardized the creation of the internal frontend base projects built with React, Redux.

<b>Software Engineer</b>	<b>Indigo</b>	<b>Sep 2016 – Jun 2017</b>
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- Supervised the frontend code base (AngularJS) for Bansefi backend, 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, culminating in successful end to end tests that implied third party API's.

<b>Software Engineer</b>	<b>Glider Software Solutions</b>	<b>May 2012 – Sep 2016</b>
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- Assisted in the redesign of Citibanamex core system for opening new accounts, applying design patterns, TDD, and best practices. Resulting in a more maintainable and extensible code base.
- Migrated the Citibanamex frontend system for opening new accounts, from FELX to HTML (JavaScript/jQuery).
- Led the development of a new CIBanco project called “Multicurrency”, proposing the use of the Grails framework for speed up the development. At the end the project was successfully integrated with the internal REST services and help to achieve the deadline date.

<b>Software Engineer, Intern</b>	<b>Yum! Restaurants International</b>	<b>Jun 2008 – Jan 2009</b>
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- 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

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<b>Mexico City</b>	<b>Tec de Monterrey</b>	<b>2005 – 2012</b>
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- **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 (EGEL Test).

## TECHNICAL EXPERIENCE

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### 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

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- 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; DataGrip; VIM; Visual Studio Code.