Mexico City
Mexico

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EMPLOYMENT

Software Engineer   **AMK Technologies**   **Jun 2017 – Sep 2018**
- API for Exposing Internal Services: Lead engineer, in charge of a team of 3 developers. Built from the ground an API to expose the internal services to subscribe users to an entertainment newsletter via cellphone carriers.
- Frontend for the Back Office: Creation of the base project, built with React/Redux, for the back office services.

Software Engineer   **Indigo**   **Sep 2016 – Jun 2017**
- Bansefi: Lead frontend engineer, reviewing the code base and implementing in the team: good practices, clean code, and code refactoring. Using AngularJS.
- Bansefi: Processing big quantity of information to produce reports, implemented by using Spring Batch and Jasper Reports.
- Flights and Hotel Reservations Agency: The project was staled for almost half a year, so they gave it to me to finish some service integrations and server architecture. The project was built in Ruby and Rails, and I was the only developer.

Software Engineer   **Glider Software Solutions**   **May 2012 – Sep 2016**
- Citibanamex: Support role in the redesign of a core project that orchestrated the aperture of new bank accounts, using design patterns, TDD, and best code practices.
- Citibanamex: Migration of the frontend of the account aperture system, from FELX to HTML (JS/jQuery).
- CIBanco: Lead engineer in the building of a frontend for a new financial client, it consumed REST Services and exposed small services consumed internally. I presented a demo with Grails, and JS/jQuery, that ultimately were accepted and built upon those technologies.

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.

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 (EGEL Test).

TECHNICAL EXPERIENCE

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

- **Programming languages:** Java; JavaScript; Ruby (Prior Experience); C (Prior Experience); SQL.

- **Tools and technologies:** 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.