

# Software Engineer

## Jorge Cardenas

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### PROFILE

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- Passionate Software Developer with 8+ years of experience delivering software solutions. Team lead in different projects in banking and gaming areas in all stages of the software development cycle. Demonstrated experience developing backend software using open source technologies including PHP frameworks (ie Symfony, Laravel, CakePHP etc.) .Net framework and front end web applications (HTML, JavaScript, JQuery, Angular, React, css, bootstrap).
- During the last year and a half I have been delivering solutions as a backend engineer in a microservices environment using Go as a main language.
- Academic background including research in sound pattern recognition with Hidden Markov models to avoid illegal activities in the forest.

### TECH SKILLS

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**Software Analysis and Design:** Through coding and testing to delivery, support and maintenance.

**Programming languages:** GO, PHP, JavaScript, C/C++, Erlang, C# .net, VB .net, Python.

**Databases:** MySQL, MariaDB, MongoDB, MySQL Server.

**Frameworks:** Symfony 2.8/3.4/4.1, Laravel 5.5, Net Framework, Slim, CakePHP.

**Servers:** Nginx, Apache.

**Operative Systems:** macOS, Linux (Debian, Ubuntu), Windows

**Other tools:** Git, JQuery, HTML, CSS, REACT, MemCache, Redis, Swagger, Ecommerce PHP packages, OpenCart, ZenCart, wooCommerce , OsCommerce. Youtrack, PHPUnit, Docker, Kubernetes.

### EXPERIENCE

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**Delivery Hero SO**

*Software Engineer*

Berlin, Germany

April 2019 – Present

- Maintenance and development of software applications in a microservices' architecture, some technologies surrounding in our daily bases include Go as the main language, Redis, MySQL, AWS, Docker, Kubernetes, Git. Also, I have been working refactoring Legacy PHP apps, some of them moving them to microservices as more performance is needed and also to manage the scalability.

## **Tabella s.r.o**

Prague, Czech Republic

*Software Analyst/Developer*

2016 – 22.03.2019

- Maintenance and development of web applications using open source technologies including PHP frameworks (Symfony, Laravel), front end web applications (HTML, JavaScript, jQuery, Angular, REACT, CSS, Bootstrap etc.), and creation and maintenance of databases Using MySQL/MariaDB.

### Main Software Projects and Achievements:

- Creation and maintenance of CRM web application. This included database design, creation of plugins and synchronizers to have database synced all the time. Technologies used are Laravel, implementation of queues with Redis and Horizon for monitoring MariaDB, Bootstrap, JQuery, CSS, REST API with swagger for serving internal tools.
- Creation of gift card solution, including the backend admin site and frontend Site using Laravel, REACT, MariaDB, Redis, Bootstrap.
- Maintenance and creation of REST APIS according to the REST specifications using Swagger notation for making testing and documentation easier. Symfony 2.8-4.1, MySQL.
- Daily tasks include SQL queries optimization to improve performance of applications due to data growth.

## **Silver Arrow Marketing**

San José, Costa Rica

*Software Analyst/Developer*

2012-2016

- Maintenance and development web applications using Microsoft (.net, VB, C#, SQL Server) and open source (PHP, MySQL, Linux) technologies.

### Main Software Projects and Achievements:

- Creation of an automatic report system using C# .Net, Angular, SQL Server. The final product just needed connection to any database and automatically the system was taking the database structure, search the shortest path between tables using Dijkstra algorithm and present to the user a graphical user-friendly interface with a drag and drop feature to select the data structure as needed for making the reports.
- Creation of many e-commerce sites using PHP packages like OpenCart, OsCommerce, CakePhp, woocommerce (wordpress), the process included framework setup, database, plugins creation using REST APIS, SOAP Requests, Integration of the company's processor according to the e-commerce Package specifications.
- Many tasks included designing REST API applications using PHP Slim micro framework/ Symfony, for connecting our applications with third parties.

## **E-Solutions**

Guatemala, Guatemala

*Jr. Software Developer*

2007 – 2009

- Maintenance and development of Software projects for customer relationship management (CRM).
- Software development consisted making the whole software development cycle, including gathering requirements, Analysis, prototyping, development, and maintenance. The software was made using ASP and VB6, javascript, Mysql Server.
- Connecting backend applications with parsing files delivered by the core Banking System in COBOL.

## **EDUCATION**

**Costa Rica Institute Technology,**

Cartago, Costa Rica

*M.Sc. Computer Science*

2010- 2012

Formal research in the fields of theoretical and applied computing. Formal analysis techniques and computer models used in the design and development of software components. Recognition of problems and solutions through formal scientific methods. Application of knowledge to solve real-world problems. Publication of research results.

Creation of C++ software application to create/evaluate models to detect illegal sounds in the forest using Hidden Markov Models.

Honors: summa cum laude

**University of San Carlos**

Guatemala, Guatemala

*Computer Systems Engineer*

2004 - 2009

Computer science engineering (CSE) with emphasis in software development.

## **PROFESSIONAL SKILLS**

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### **Personal Skills and Competences**

Teamwork, cooperativeness, good relationships, good communication, high degree of motivation, leadership and also perseverance to make the job done in the best and fastest way.

### **Language Skills:**

Spanish - Mother tongue | English - Advanced Proficiency | German- A2 | Czech Basic