

Oscar Cuellar

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You can see more about my work at: <https://oscarcuellar.dev>

SUMMARY

I am a computer science and systems engineer with a track record of significant contributions to various companies and collaborations with the public sector and NGOs, including VC Canada. I played a key role in revamping Guatemala's Public Ministry systems, implementing innovative technologies used nationwide. Additionally, I've led development teams for private companies, showcasing my passion for architecture and continuous learning to create optimal products.

SKILLS

HTML, CSS, Typescript, Javascript, React, React Remix, React Gatsby, NodeJS, NestJS, Strapi, Wordpress, ExpressJS, .NET Framework, .NET ASPX, MongoDB, PostgreSQL, MSSQL, MySQL, Redis, Netlify, Cloudflare, Heroku, Microservices, Design Patterns, Cloudinary, AWS S3, AWS Lambda, Vercel, Git, GitHub, Jira, Trello, Docker, Strapi, Contentful, SCRUM, Photoshop, Canva, Superset, tableau.

EXPERIENCE

React Senior Developer and Team Leader.

December 2022 - March 2024

Intuitiva S.A. Top Guatemala Company providing ERP & CRM and custom software services.

10 employees. 2000 active users per day. 500 request per minute to the systems.

- Development and maintenance in the company's main application, ZAURU, an ERP with over 2,000 active users and all the necessary modules for a business.
- Leading and collaborating with a team for custom developments, creating web applications connected to the ERP & CRM main system API.
- Design and implementation of static pages requested by clients for their own online stores, connected to the CRM API or CMS.

Skills: HTML, CSS, Typescript, JavaScript, NodeJS, AWS Lambda, React, React Remix, React Gatsby, Tailwind, Redis, Heroku, MongoDB, Netlify, PostgreSQL, Contentful, Ruby on Rails.

FullStack Developer

January 2022 – December 2022

Public Ministry of Guatemala. Branch of the Government dedicated to ensuring compliance with justice in the country. *Approx. 70 Tech employees. 1500 active users per day on the platforms.*

- I led and trained development teams at the Public Ministry to create new modules within applications (ASTREA, AyudaGT) previously developed by the NGO.

Skills: HTML, CSS, Typescript, JavaScript, NodeJS, ReactJS, Microservices, NodeJS, NestJS, MongoDB, Redis, MSSQL, Bootstrap, SCRUM, Jira, Trello, Docker, Strapi.

FullStack Developer

October 2019 – December 2021

Justice Education Society of BC (Remotely). ONG dedicated to promoting legal education and access to justice. *For this project Approx. 150 employees. 1000 users per day.*

- Collaborated with the Public Ministry of Guatemala to improve the national justice systems, with focus on criminal and judicial areas.
- Migration of the SICOMP system (Java, Spring Boot, SQL Server) towards new App ASTREA (ReactJS, NestJS, NodeJS, Microservices, MongoDB, SQL Server).

- Creation of a new application, AyudaGT, focused on providing assistance to crime victims in Guatemala. (ReactJS, NestJS, NodeJS, Microservices, MongoDB, SQL Server).

Skills: HTML, CSS, Typescript, JavaScript, NodeJS, ReactJS, Microservices, NodeJS, NestJS, MongoDB, Redis, MSSQL, Bootstrap, SCRUM, Jira, Trello, Docker, Strapi.

Superior education professor

July 2018 – July 2019

University of San Carlos de Guatemala. The only public university in the country. *Around 30 students on my classes.*

- I led the course, teaching fourth-year students in the engineering program of computer science and systems about computer architecture. We primarily used Arduino, along with low-level languages such as MASM x86 and C.

Skills: MASMx86, Arduino, C, DOSBox, RaspBerryPi, Python.

.NET Developer

September 2017 – October 2018

FAUSTINO S.A. Company with more than 5 parking lots (for vehicles of all types) and 2 electronic stores in the city of Guatemala.

- Development and implementation of a car parking ticket system, with connection to a barrier that opens automatically upon detecting authorized vehicles exiting, payment control, vehicles within the parking area, and accounting.
- ERP system to generate receipts, manage inventory, handle purchases and sales, export data, and manage accounting for electronic supplies stores.

Skills: .NET Framework, C#, MySQL, SQLServer, Python.

KEY ACCOMPLISHMENTS

Development of the ASTREA and AyudaGT systems, in collaboration with the Canadian NGO and the Government of Guatemala. The main system of the Public Ministry was revamped in both applications through a 2-year process with the NGO, followed by an additional year at the request of the Government. During this extra year, I provided training and leadership to the internal teams within the Public Ministry.

As an achievement at the company level, I successfully implemented Hasura GraphQL and Superset, enabling ERP and CRM clients to have an API to query their own data and create/utilize their own reports at their convenience.

As part of my custom software development tasks, I also conducted implementations of more general online stores using Wordpress, including the design and implementation of 2 online stores with Wordpress. Development of 10 custom WebApps integrated with the main system's API (ERP).

At the end of my university studies, I had the opportunity to work for a company for the last few years where I developed two systems tailored for the different types of businesses they operate. These systems, designed for both parking management and electronic supply stores, are still in operation in their stores to this day.

EDUCATION

Science and systems engineering – 5 years degree

January 2015 – December 2020

University of San Carlos de Guatemala – Guatemala, Guatemala

Graphic design High School – 2 years diploma

January 2013 – December 2014

High School VIDA S.A – Guatemala, Villa Nueva