

# Samuel Blanco Santana

Software Engineer

Chihuahua, Chih. 31216  
+52 (614) 240-6190 (WA/sms)  
dev.sam23d@gmail.com  
Github: sam23d  
<https://sam23d.github.io/>

## PROFESSIONAL EXPERIENCE

### Spiff- Software developer

Apr 2023 - Jan 2024 - backend - elixir, ruby

- Greatly contributed to SpiffSDK a set of libraries mainly in elixir that are used as dependency in the internal elixir microservices, it's Spiff's core utility for developing new microservices. Also contributed to the development of the following services:

- Auditorium, a system wide audit micro service that was in charge of the auditing functionality across all the app, it used Google's PubSub as backend communication between services, and had massive export capabilities (CSV & XLS)

- Permiso an authorization and permission granting microservices that was the foundation for the new custom roles and permissions functionality across the web and mobile app.

- Completely built Babel, a microservice in charge of managing the internationalization of the app, serving as a bridge between Google's translate api and a custom overwrites layer that helped the app support multiple languages.

### Nubank - Software developer

Jun 2021 - Apr 2022 - backend - clojure

- Breakdown / Refactor of main registration flow orchestrator service into multiple microservices, using Datomic, Kafka & traditional REST

- Backend development and tracking of a Member get Member initiative on the mobile application which consisted on showing 3 different screens with nudges to invite friends to 33% of customers population each, tracking the engagement, selecting and implementing the best performant screen

### Resuelve tu Deuda - Technical Lead

Feb 2018 - May 2021 - fullstack - elixir, javascript

- Started as a Mid developer, ended as tech lead on the team  
- Team leader and lead developer on the new **p2p Loan/Credit core** that drives the daily operation of the business, this core was made using OTP and GenServers for tracking investors profits on real time.

- Technical lead on the development of internal tools that connect to the **credit core**, this in order to generate monthly summaries, documents, and provide functionality that support the daily business's back office

## SKILLS

Functional & Object Oriented programming.

Team leader

Self-taught

Likes being challenged

Volleyball middle blocker.

3D printing

## SCHOOL AWARDS

Americas Datafest Local first place for the best Web application.

Global Urban Datafest Local first place for the best software application.

Volleyball National Champion of the 2015's CONADEIP cup.

## NATURAL LANGUAGES

English [TOEFL: 590]

Spanish [Mother language]

## PROGRAMMING LANGUAGES/SKILLS

### Daily use

Elixir  
JavaScript  
HTML5, CSS3  
Postgres

### w/Knowledge on

Python  
Ruby  
Clojure / ClojureScript  
SQL  
Datomic  
Golang  
C  
Elm-Lang

operations.

## Web Development Freelancer - Full Stack

2011 - 2020 - fullstack, Elixir, javascript

I've done a wide range of applications, to mention a few: **trip cost calculator**, landing pages, small **ecommerce** systems, spa **appointment system**, I like both **front and back end development**, currently developing mainly on phoenix and elixir.

## Bambu Code, Chihuahua — Web Developer, QA Engineer

Nov 2014 - 2018 - QA -> Software Developer - PHP, Python, Elixir

- Started as QA jr part time while finishing Software Engineering at ITESM, ended as software developer
- Main contributor and maintainer of the **Integration Test suite** of Eleventa, done on SmartBear TestComplete framework, and covers, sales, ticket printing, database persistence layer testing, invoices, part of our **continuous integration** cycle, it **runs every night**.
- Lead developer on "nube-eleventa", a **REST API** that synchronizes the Eleventa DB to the cloud and helps with: migrations, updates and recoveries of lost or damaged databases, designed and programmed in Elixir.
- Lead developer on the company's **CRM**, it manages client's email, whatsapp and facebook notifications, **invoice delivery and tracking**
- Developer of many subsystems that keep track of payments, license generation, authentication, login tracking/sessions that are used by more than 10 thousand users a day.

## PROFESSIONAL EDUCATION

### ITESM, Chihuahua— ITIC

Ago 2012 - Dec 2017 - Information, Technology & Communication Engineering

I studied Information Technology and Communications Engineering, I **imparted courses in HTML, CSS and Python to the newcomers**, and **participated** in almost every **programming contest** in the school. Former **player of the school's professional volleyball team**, national champion of CONADEIP 2015, former **vice president** of the career's **school council**, ERASMUS **student at Tampere Finland** on Jan - May 2016 with algorithms and **theoretical computer science specialization**.

## PERSONAL INFORMATION & ONGOING PERSONAL PROJECTS

**Currently living in Chihuahua Mexico, and would like to keep working 100% remotely, open to travel to the office periodically if needed.**

Smartbet - Simple elixir based application, for tracking gains and losses on sport bets, gives monthly statistics and most profitable sports.

*Hydroponics system* - 3d printed hydroponics system for growing lettuces & tomatoes inside my own house.

