

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 2022 - Jan 2024 - backend - elixir, ruby

- Greatly contributed to SpiffSDK a set of libraries mainly in the elixir ecosystem that are used as dependency in the internal elixir microservices, it's Spiff's core utility for developing new microservices. I worked with technologies such as NATS, PubSub, Broadway while contributing to the development of the following services:

- Auditorium, an event based system, that audits every other service across the app, it uses Google's PubSub as backend communication between services, and had massive export capabilities (CSV & XLS)

- Permiso an authorization and permission granting microservice that serves as the foundation for the roles and permission functionality across the app, I highly contributed to this service while working with the Ash Framework.

- Babel, a JSON consumed microservice in charge of managing the internationalization of the app, serving as a layer of customization between Google's translate api and a collection of translation overwrites that helped the app fine tune the support for multiple languages.

Nubank - Software developer

May 2021 - Apr 2022 - backend - clojure

- Breakdown / Refactor of the service in charge of the registration flow into multiple microservices, using Datomic, Kafka & traditional REST techniques.

- Fully development of feature in charge of a "Member gets Member" initiative in Clojure & Flutter, which consisted on using different in app screens for different cohorts, basically showing 3 different screens with nudges to invite friends to 3 different designs and call to actions, then selecting the one with the best engagement and implement it in the pp

Resuelve tu Deuda - Technical Lead

Feb 2018 - May 2021 - fullstack - elixir, javascript

- Team leader and lead developer on a **p2p Loan/Credit engine** that was used in the daily operation of the business, this core was made using OTP and GenServers for calculating payments & investor profits on real time.

- Technical lead on the development of the main internal tool that connects to the **engine**, this tool is used to generate monthly summaries,

SKILLS

Functional & Object Oriented programming.

Team leader

Self-taught

Likes being challenged

3D printing

NATURAL LANGUAGES

English [TOEFL: 590]

Spanish [Mother language]

PROGRAMMING LANGUAGES/SKILLS

Experienced with

Elixir

JavaScript

HTML5, CSS3

Postgres

Flutter

Knowledgeable on

Python

Ruby

Clojure / ClojureScript

SQL

Datomic

Golang

C

Elm-Lang

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.

PDFs and as source of truth for the support & operations team, each had an account and could log in to check the clients status and send notifications.

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 Elevanta, 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-elevanta", a **REST API** that synchronizes the Elevanta 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.