

EMPLOYMENT

Senior Software Engineer	Nubank	May 2021 – Nov 2023
<ul style="list-style-type: none">• Built the screens and flow that customers use to apply for a personal loan in the Nu application; which resulted in the release of the first MVP for Mexico and the internationalization of the services architecture that worked both also for Brazil and Colombia. Clojure, Datomic, BDC, and Flutter.• Designed, and built the architecture that would enable the backend for the issue of personal loans; this includes the creation or internationalization of services. Clojure, Kafka, Datomic, and K8s.• Built a solution in the fraud vertical that helped to decrease in 15% the time spent by customer service to process customers that could be identified as potential fraudsters. Clojure, ClojureScript, Kafka, Datomic, and K8s.		
Full Stack Engineer	Rappi	Jul 2019 – May 2021
<ul style="list-style-type: none">• Coaching a small team to migrate the old microservices to a new event-based architecture mainly with Kotlin (Spring Boot) and Kafka, but we also used TypeScript (NestJS); that resulted in a more robust infrastructure that powers the Colombian's RappiPay B2B ecosystem. PostgreSQL, Jenkins, and K8s.• Built a solution, with Airflow and Python3, that helped in the day-to-day settlement transactions processed by RappiPay systems with Rappi's debit card. This led to an automated process and a more precise and rapid resolution to tens of thousands of support tickets for Mexico and Brasil. Pandas, Snowflake, K8s.• Developed new features in the RappiPay vertical, which helped to stabilize the functioning of the platform and make more attractive the use of Rappi's debit card. Node.js, JavaScript with Express/Koa, PostgreSQL, and K8s.		
Software Engineer	AMK Technologies	Jun 2017 – Sep 2018
<ul style="list-style-type: none">• Led the design and development of a high-demand API for registering users to entertainment subscriptions, this helped the company attract new clients. So clients could do their own advertisement of new products and subscribe users using the API. Spring (Core, JDBC), Dropwizard, HBase, Kafka, MySQL, MongoDB, Java 11, Maven, TDD, AngularJS, Angular 2+, React/Redux, and Docker.• Standardized creation of the frontend projects. React, Redux.		
Software Engineer	Indigo	Sep 2016 – Jun 2017
<ul style="list-style-type: none">• Supervised the frontend codebase (AngularJS) for Bansefi back office, implementing and teaching best practices, clean code, and incremental refactoring. Bootstrap 3, Java, SQL Server, MyBatis, and WSO2 Application Server.• Solved the need to process big CSV files of inventory for Bansefi, by implementing a batch process (Spring Batch) and printing PDF reports with Jasper Reports.• Led the redesign and development of a "Flights and Hotel Reservation" Ruby on Rails project, that was staled for almost half a year, because there was no Ruby developer. So I had to organize meetings with the previous developer, and then do weekly meetings with the client to report advance and clarify doubts. Culminating in the successful end-to-end tests that implied third-party APIs. PostgreSQL, Redis, and NGINX.		

EDUCATION

Mexico City	Tec de Monterrey	2005 – 2012
<ul style="list-style-type: none">• M.S Computer Science, Apr 2012. Full scholarship with monthly maintenance fee by CONACYT and Tec de Monterrey.• B.S Computer Engineering, May 2010. CENEVAL National Prize, Egress Test (EGEL).		

OTHER PROJECTS

- **Intelligent Tutor System for the Training of Novice Operators of a Combined Cycle Power Plant** (2012). A web-based classroom where the professor designs tests for training operators, has a 3D model of the power

plant, uses freesteam, an open-source library for the vapor tables, and grades 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

- English (Professional working proficiency); Spanish (Native).
- Clojure; ClojureScript; Java; Kotlin; JavaScript; TypeScript; Python; SQL; NoSQL.
- REPL Driven Development; Scrum; Agile; Microservices; CI/CD; Event-Based Architecture; TDD; Unit Tests; Integration Tests.
- Datomic; Pedestal; Leiningen; Node.js; Express; Koa; NestJS; Pandas; Airflow; Maven; Gradle; Dropwizard; Spring; HBase; Kafka; React/Redux; AngularJS; Angular 2+; Git; Docker; Jenkins; AWS (IAM, ECS, S3); K8s.

CV with introduction, gap between jobs, prior experience, and other available at edblancas.io/cv/cv.pdf.