Mexico City
Mexico

Daniel Blancas

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Employment

Senior Full Stack Engineer — **Onest** — **Sep 2024 – Present**

- Developed the back-end and front-end systems to support personal loans in underdeveloped markets, incorporating gamification and financial education to boost customer engagement.
- Developed microservices using TypeScript, Node.js, and Express.js while leveraging the AWS ecosystem—including Lambda (later migrated to Kubernetes), S3, DynamoDB, and Kafka. These services utilize an event-driven architecture for asynchronous communication alongside REST APIs for synchronous operations, significantly enhancing system scalability and resilience.
- Designed and built a back-office system from scratch using React with Redux, and RTK Query to improve performance.
- Developed a custom notification system that schedules timely alerts for payment due dates and overdue accounts, using DynamoDB to store a history of sent messages for audit purposes.
- Established CI/CD pipelines with GitHub Actions and implemented unit and integration tests to ensure that the services function correctly before automatically deploying them to development or production environments.

Senior Full Stack Engineer — **Nubank** — **May 2021 – Nov 2023**

- 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 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.

Senior Full Stack Engineer — **Rappi** — **Jul 2019 – May 2021**

- 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 TypeScrpit (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.

Education

Mexico City — **Tec de Monterrey** — **2005 – 2012**

- **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).

Languages and Technologies

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

CV with introduction, prior experience, side projects and other information here: edblancas.github.io/cv/cv.pdf.