Daniel **Cárdenas**

SOFTWARE ENGINEER · SOFTWARE ARCHITECT

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Summary

Full-stack developer with 10+ years of experience in building web apps and systems. I am interested in working on Supply Chain, Logistics, Concurrency, High performance, Beautiful UI/UX and B2B applications.

I like to do open-source projects in my freetime that involve Automation, HFT, Kafka, Aeron, Frontend development, Whatsapp chatbots.

Work Experience and Freelancing

Luxoft   *Remote | Sunnyvale, CA*

SENIOR SOFTWARE DEVELOPER   *2022 - Current*

- Lead development of **NextJS/React** solutions, delivering timely and robust web applications for multi-site laboratory protein tracking.
- Analyze and optimize web applications, improving data tracking accuracy for laboratory proteins across multiple locations.
- Collaborate with cross-functional teams to develop NextJS/React web apps, streamlining protein tracking processes at various job sites.

Genie Terex   *Remote | Monterrey, MX*

EMBEDDED SOFTWARE DEVELOPER   *2022 - 2022*

- **Genie Machines**: Enhanced machine software with C++, fixing bugs and ensuring reliable code support for Genie Machines
- Conducted rigorous code reviews and debugging sessions to ensure high-quality, reliable machine software performance.
- Implemented efficient code solutions and bug fixes, enhancing overall software functionality and user experience.

Cemex (Neoris).   *Prague, CZ | Remote | Monterrey, MX*

SENIOR SOFTWARE ENGINEER (FRONTEND)   *2016 - 2022*

- Implemented Track & Trace with Google Maps API in **Angular**, boosting delivery tracking accuracy.
- Led Orders & Products module development in Angular and **React**, enhancing client purchasing in 20+ countries
- Developed Employee Console in Angular, automating contract and order management for Cemex employees

Stukent (Freelance)   *Idaho, US | Remote*

(INDEPENDENT) FULLSTACK DEVELOPER   *2021 - 2022*

- Developed and deployed modular **Coursware** components using Storybook, ensuring seamless integration and functionality through rigorous Jest testing.
- Managed **Azure** functions in C# for data handling in simulations, ensuring seamless operations.

1EQ. (Freelance)   *Washington, DC | Remote*

(INDEPENDENT) FULLSTACK DEVELOPER   *2019 - 2020*

- **Healthcare Babyscripts**: Maternity care platform.
  Each feature development involving all the layers of development. Frontend with **Angular** for Hospitals and providers web app and Hybrid application for patients. Everything is built with **Webpack**
  Backend using mostly **AWS (DynamoDB, Lambda, SQS, SNS), GraphQL**. Also **Iterable** for campaigns connections and notifications

Mi Chance (Manufacture Freelance)   *Remote | Mérida, MX | Monterrey, MX*

(INDEPENDENT) SOFTWARE ENGINEER   *2016 - 2017*

- Developed every layer of a **Google Cloud-based system**, ensuring high performance and cost efficiency through auto-scaling compute engines.
- Developed frontend applications in **Kotlin** (Native) and **Angular** (Web), enhancing user experience and traffic management.
- Utilized Datastore as the primary **NoSQL** database to ensure cost-effectiveness and performance.

OXXO   *Monterrey, MX*

SOFTWARE ARCHITECTURE & LEAD DEVELOPER   *2014 - 2016*

- Designed and implemented a kiosk system for OXXO stores, enhancing POS connectivity and uptime. Using iOS native development **Swift** and **Objective-C**. Programmed entire UI from given designs from the UI team
- Led the design and deployment of a 24/7 self-updating kiosk system, enhancing POS integration and operational efficiency across select Oxxo stores.
- Designed the DB (**MySQL**) for flexibility using resources already provided by the OXXO Stores.
- Transmitted the order via FTP with to the physical POS. Printed the order ticket for the end user via Bluetooth using printer SDK

Epicor Software Corp   *Monterrey, MX*

SOFTWARE ENGINEER INTERN   *2012 - 2014*

- Supported and customized CRM 'Clientele' in **.NET**, enhancing functionality and user experience.
- Contributed to the development of web ERP 'P21' using ASP MVC, improving system efficiency.
- Developed software in **C#** and **SQL**, ensuring robust and scalable solutions.

Projects

PROJECTS

2014	⌂ **Audio Stego**, Stenography tool. Built in C++.	*Home*
2016	⌂ **QuandlCpp**, Efficient Quandl C++ library	*Home*
2017	⌂ **Whatsapp framework**, Python framework for whatsapp bots creation. Built in Python.	*Home*
2017	⌂ **leind-stocks** , Scraps data from Quandl, Yahoo finance, etc... To do the fundamental analysis explained in the William O'Neil book. Drops similar results to the IDB Leaderboard. Built in C++.	*Home*
2019	⌂ **Sulla**, Sulla is a javascript library which provides a high-level API control to Whatsapp so it can be configured to automatize resposes or any data that goes trough Whatsapp effortlessly.	*Home*

FREELANCER

2016	⌂ **Quandl retriver (tecenergy.ca)**, Quandl big data retriever for data science firm active in financial electricity markets. Built in C# and PostgreSQL.	*Montreal, CA*
2016	⌘ **Profet CRM (Full-stack)**, Created of custom CRM system that was later sold to this company so their developers can maintain it and develop above it. The stack usedfor this application is mainly .NET Core and it's deployed into Azure.	*Remote*
2014 - '16	⌘ **Ion Water distributor ERP (Full-stack)**, Developed a whole custom ERP system from scratch. Architecture of the application is based on modules which are easily added to the systemas the client needs. This system is deployed into the client servers which used IIS. and still running. The stack used here is T-SQL, .NET MVC.	*Remote*

Skills

Frontend	Angular | React | Vue | Vanilla JS | NextJS
Programming	TS | JS | Python | C++ | Rust | Java | C#
Distributed programming	Kafka | Aeron | Vertx | Java
Backend	NodeJS | .NET Core | SQL | NoSQL | HFT
DevOps	Azure | AWS | Google Cloud Services
Automatization	Jest | Mocha | Puppeteer

Languages I speak

Spanish	**Fluent**,
English	**Fluent**,
Italian	**Intermediate**,

Education

UANL - Facultad de Ciencias Físico Matemáticas — *Monterrey, MX*

PHYSICS — *2023*

- Study of the fundamental principles of physics, including mechanics, electromagnetism, thermodynamics, and quantum mechanics.

UANL - Facultad de Ingeniería Mecánica Eléctrica — *Monterrey, MX*

SOFTWARE ENGINEER — *Aug. 2011 - Exp. Nov. 2015*

- Study of software development principles, algorithms, data structures, and programming languages. Specialized in web development and cloud computing.

Acceleration program — *California, US*

PLUG & PLAY — *Sep. 2015 - Nov. 2015*

- Developed a mobile app to help people find places. Daily workshops focused on how produce a fast app launching for startups, marketing, innovation, etc...

Machine Learning A-Z™: Hands-On Python & R In Data Science — *Remote*

UDEMY

- Machine learning course