

Diego Alejandro Diaz Matousek

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SUMMARY

Senior Full-Stack Engineer with over nine years of experience designing and delivering scalable, user-focused web applications. Expert in React, Next.js, Node.js, Python, and PostgreSQL, with a proven ability to architect and integrate micro-frontends (e.g. Open edX) and optimize asynchronous workflows for faster, more reliable user experiences. Passionate about driving platform enhancements, mentoring teams, and translating complex requirements into clean, maintainable code.

WORK EXPERIENCE

CORRELATION ONE

New York, NY (Remote)

Senior Software Engineer II

Jun 2023 – April 2025

- Integrated Open edX as a micro-frontend into the core learning platform, unifying SSO and UI styling across edX modules to deliver a seamless learner experience.
- Built an AI-powered resume builder (React/TypeScript front-end + Python back-end), increasing learner resume-completion rates by over 20%.
- Architected an asynchronous video/file upload pipeline, reducing user-reported upload errors by 50% and cutting perceived wait times in half.
- Developed a Chrome extension to track learner job-search sessions, enabling data-driven insights into learner motivation and outcomes.

DORMIFY

New York, NY (Remote)

Senior Software Engineer

Mar 2023 – July 2023

- Designed and implemented Next.js/React components for a streamlined frictionless checkout flow, boosting new-user conversion by 5%.
- Migrated marketing-email backend from legacy system to Klaviyo (C#), authoring services for event-triggered campaigns and achieving 99% deliverability.

STARTGRID

San Francisco, CA (Remote)

Senior Software Engineer

Nov 2021 – Dec 2022

- Delivered a four-week MVP SPA (Next.js, TypeScript, React; Go/Echo GraphQL; MongoDB), enabling a successful pivot into ESG-startup discovery.
- Implemented Auth0 authentication and Hygraph CMS integration, securing user onboarding and simplifying content management.
- Established GitHub Actions CI/CD and Playwright E2E tests, cutting integration-issue turnaround by 40% and accelerating release cadence.

ON CAMPUS MARKETING

Ewing, NJ (Remote)

Software Engineer

Jul 2019 – Nov 2021

- Led development of a “Portal” CRM (Next.js, React, Apollo; Go/GraphQL; PostgreSQL), consolidating marketing, warehouse, and creative data and slashing manual tasks by 50%.
- Orchestrated microservices on GCP with Kubernetes and Terraform; migrated legacy Ektron/Siebel data to modern stack for improved reliability.
- Worked on a serverless “context-engine” pipeline written in Go to clean client CSVs which generated “golden-record” demographics, enhancing data quality.

EKUMEN

Buenos Aires, AR (Remote)

Software Engineer

Oct 2017 – Aug 2019

- Developed C++ Gazebo plugins and Docker-based simulation workspace, accelerating robotics test turnaround by 30%.
- Built a React chatbot + Firebase Cloud Functions for non-emergency police queries (Firestore), serving hundreds of users daily.
- Migrated static site to Jekyll, implemented AWS S3 robot-replay uploads, and configured MQTT/Kinesis pipelines to streamline robotics infrastructure.

CBA S.A.

Junior Software Engineer

Asuncion, PY

Jan 2016 – Oct 2017

- Worked on a replacement system built with Django and AngularJS to replace a legacy hard to maintain one, improving developer experience and data integrity.
- Created a Node.js Facebook chatbot integrated with an in-house ERP
- Deployed docker microservices for S3 data storage, real-time USD/PYG exchange rates, and truck-scale reading, enhancing cross-CRM data access.

ADDITIONAL

Technical Skills: Proficient in React, Next.js, TypeScript, Node.js, Python, Go, GraphQL, PostgreSQL, MongoDB, Docker, and CI/CD pipelines with github actions, Travis and Jenkins.