

# Fernando Jóskua Olivares Obregón

Senior Software Engineer | System Integration Expert | Backend & API Developer

Mexico City, Mexico

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## Summary

Results-driven software engineer with 4+ years of experience building scalable applications, distributed data pipelines, and high-impact customer-facing systems. Adept in system integration, backend architecture, and cross-platform mobile development. Regularly promotes best practices across code quality, observability, and deployment readiness. Passionate about building tools that serve people and solve real-world problems.

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## Professional Experience

### Nexus Digital Marketing

*IT Manager / Senior Software Engineer*

**March 2023 – Present | Remote (Global Team)**

- Led redesign and consolidation of fragmented systems into the Nexus Unified interface, improving user experience and maintainability.
- Spearheaded backend performance improvements, including table partitioning and index optimization, cutting query times by 50%.
- Designed and deployed an AWS-based MVP using **Lambda**, **CloudWatch**, and **SES** to evaluate email delivery alternatives (SES vs. SendGrid).
- Integrated loyalty and POS APIs for multi-store clients using secure token-based systems (e.g., **Clover**), increasing client adoption across 39+ locations.
- Championed QA best practices and promoted modular, testable code following **SOLID principles**.
- Oversaw observability implementation with **DataDog** and defined escalation and rollback strategies for production reliability.

## Billboard Planet

*Senior Flutter Developer (Cross-Platform Mobile)*

**March 2023 – Present | Remote**

- Designed and developed **Quantum Go**, a cross-platform field ops app used by outdoor advertising installers in Mexico, the US, and Costa Rica.
- Conducted stakeholder interviews, built wireframes in Figma, and implemented the entire front-end experience in **Flutter**.
- Shipped the app to production, wrote unit tests, and provided ongoing feature updates.
- Strengthened customer experience for an underserved industry by simplifying access to work orders, photo uploads, and location data.

## Fiserv (Fortune 500)

*Product Analyst, Integrations Unit*

**October 2021 – March 2023 | Remote**

- Consulted internal and external development teams on integration with **hosted payment pages**, **card-present APIs**, and 3D Secure workflows.
- Collaborated with banks (e.g., Banistmo) to modernize payment infrastructure in compliance with international standards.
- Automated internal workflows using **Power BI** and **Excel scripting**, cutting project tracking overhead by 70%.

## Recurso Confiable

*Junior Full-Stack Developer (.NET + Cloud Pipelines)*

**October 2020 – October 2021 | Mexico City**

- Designed a Kafka-based, containerized data pipeline (deployed in **AWS EKS**) for tracking and processing logistics data at scale.
- Developed RESTful APIs and dashboards for real-time fleet monitoring using .NET and PostgreSQL.
- Proposed the company's first cloud-based infrastructure strategy, introducing distributed components for future scalability.
- Integrated Google Maps & INEGI APIs for real-time cost estimation tools used by dispatch teams.



**Languages & Frameworks:**

.NET (C#), Python, SQL, JavaScript, Flutter, React

**Cloud & DevOps:**

AWS (Lambda, CloudWatch, SES, IAM, EKS), Git, GitLab CI (basic), Docker

**Distributed Systems & Architecture:**

Kafka, Microservices, API Design, Secure Token Authentication

**Testing & Code Quality:**

Unit Testing (Flutter), SOLID Principles, Code Reviews, QA Collaboration

**Analytics & Automation:**

Power BI, Pandas, Google Data Studio, Excel Macros

**Collaboration & Leadership:**

Agile, Sprint Planning, RTM, Remote Team Communication (Nepal, India, US, Canada)

**Languages:**

Spanish (Native), English (Fluent C1), French (Intermediate B1)

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## Education

**B.S. in Mechatronics Engineering**

Tecnológico de Monterrey | 2015 – 2019

- Merit-based academic scholarship
  - Top scorer in CENEVAL (EGEL) national exams
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## Certifications

- Google IT Automation with Python – Google (2020)
  - Neural Networks and Deep Learning – deeplearning.ai (2020)
  - SQL for Data Science – UC Davis (2020)
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