

# David Herrera Almeraya

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## About Me

Senior Full-Stack Engineer with 13+ years of experience designing and scaling high-performance financial and data-driven platforms. Specialized in building secure, distributed backend systems using **C#, .NET Core, and Node.js**, with modern frontend development in **Angular, React, and TypeScript**.

Proven expertise in microservices architecture, high-volume transaction processing, cloud-native infrastructure (AWS), and automated CI/CD pipelines. Strong focus on clean architecture, performance optimization, system reliability, and technical leadership within remote and cross-functional teams.

## -----SKILLS-----

**Frontend:** Angular, React, TypeScript, JavaScript, Redux, HTML5, CSS3

**Backend:** C#, .NET Core, Node.js, Express, REST APIs, WebSockets

**Databases:** SQL Server, PostgreSQL, MongoDB, Redis

**Cloud & DevOps:** AWS (EC2, Lambda, S3, API Gateway), Docker, Kubernetes, GitHub Actions

**Testing:** xUnit, NUnit, Jest, Cypress

**Architecture:** Microservices, Event-Driven Systems, Clean Architecture, SOLID, TDD

## -----Education-----

- **Apr 2002 — Apr 2008**

**Autonomous University of the State of Mexico - Bachelor of Computer Science**

- **Jul 2012 — Jan 2013**

**Mexico Trainers School - Certification in Business Training**

## -----Employment History-----

### Senior Full-Stack Engineer

*Soldo* — Fintech Startup (Remote, Europe)

#### **Feb 2023 — Dec 2025**

- Architected microservices-based financial backend systems using .NET Core and PostgreSQL.
- Designed high-availability REST APIs processing 1M+ daily transactions with strict consistency controls.
- Built real-time financial dashboards using Angular and reactive state management.
- Reduced reconciliation errors by 30% through optimization of transaction validation workflows.
- Implemented CI/CD pipelines using GitHub Actions and Docker, reducing deployment time by 40%.
- Deployed scalable infrastructure on AWS (EC2, Lambda, API Gateway) with 99.9% uptime.
- Led architecture reviews and mentored mid-level engineers.

### Full-Stack Engineer

*Clip* — Digital Payments Platform (Mexico City, Remote)

#### **Apr 2020 — Jan 2023**

- Developed secure POS and e-commerce payment processing modules using C# and .NET Core.
- Integrated Mexican banking APIs and payment gateways for multi-channel transaction systems.
- Optimized SQL Server queries and implemented Redis caching, reducing API latency by 35%.
- Built administrative dashboards using Angular and TypeScript for financial monitoring.
- Containerized applications with Docker and deployed to Kubernetes clusters.
- Increased automated test coverage to 85% using xUnit and Jest.
- Collaborated with product, risk, and compliance teams in an Agile environment.

## Senior Software Engineer

### **Software Engineer**

*Konfío* — Digital Lending Platform (Mexico City)

**Jan 2017 — Mar 2020**

- Built backend services for loan lifecycle management and account tracking using .NET Core.
- Implemented real-time notification systems using WebSockets.
- Participated in migration from monolithic architecture to microservices, improving scalability.
- Designed modular Angular components for internal financial analytics tools.
- Improved system throughput by optimizing database indexing strategies.
- Applied TDD practices to mission-critical financial workflows.

### **Software Engineer**

*Kueski* — Fintech & Consumer Lending (Guadalajara, Mexico)

**Jan 2010 — Dec 2016**

- Developed RESTful APIs using Node.js and Express for loan application processing.
- Built React-based internal dashboards for reporting and performance monitoring.
- Assisted in CI/CD pipeline setup using Git and Jenkins.
- Improved reporting performance through query optimization and caching strategies.
- Supported scalable backend services handling large customer datasets.