Hector Cordero

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Technology Executive | Software Architect & Engineering Leader | Scalable Platform Expert

Progressive engineering leader with over 15 years spanning hands-on development to strategic architecture and executive-level technical direction. Led teams of 150+ engineers, modernized fintech platforms, and aligned technology vision with business growth across web, mobile, chats, and cloud ecosystems. AI enthusiast and Dragon Boat athlete.

Core Expertise

Software Architecture & Engineering

- Microservices & Micro front-end
- Cloud-Native
- Domain-Driven Design
- Mobile First
- AI First, AI Friendly
- Accessibility & Compliance
- Scalable, Resilient, and Globally distributed solutions

Leadership

- Team Scaling
- Hiring Strategy
- Technology Vision
- Roadmap Development
- Tech due diligence
- Integration planning
- Executive Collaboration & Alignment
- Technology Advisory

Experience

Intermex Wire Transfer LLC| Remote | Sept 2021 – Current

Software Architect | Sept 2024 – Current

- **Established Scalable Development Blueprint**
  Built a robust framework for developing cloud-native solutions using micro-frontend and microservices architectures, providing a repeatable model that accelerates product delivery.
- **Championed Advanced Testing Strategies**
  Implemented mobile and web automation testing frameworks, introduced chaos engineering, and fostered a culture of performance load testing, ensuring resilient, high-quality releases.
- **Enhanced Developer Experience**
  Boosted productivity by creating organization-wide software development kits, improving onboarding and training programs, and streamlining documentation processes.
- **Led Strategic Software Procurement**
  Negotiated and secured partnerships with third-party solution providers (Auth0, Redgate, Postman) to strengthen security, optimize database management, and enhance API development.
- **Unified Global Teams**
  Managed and aligned distributed development and quality assurance teams across the U.S., UK, Spain, Colombia, Mexico, Guatemala, and the Dominican Republic under consistent development standards.
- **Architected Next-Generation Platform**
  Defined a cloud-native platform blueprint featuring built-in monitoring, resiliency, scalability, and alerting, enabling the next wave of SaaS enterprise-grade software products.
- Architected and led the team building the WhatsApp chatbot as a channel for customers to make wire transactions, integrating AI and chat-based interfaces for frictionless remittances.
- **Optimized API Collaborations**
  Introduced best practices for cross-organizational API development, testing, and documentation, improving transparency and reducing integration friction with external partners.

- **Reported on Project KPIs**
  Created comprehensive reporting frameworks to track project status, performance metrics, and deliverables, ensuring stakeholders remain informed and aligned.
- **Scaled Agile & Rapid Development**
  Collaborated with PM, UX, and Development teams by Co-chairing the transition from application-based teams to domain-driven, vertically integrated teams, removing silos and streamlining interdependent projects.
- **Standardized UI/UX Design System**
  Guided the UI/UX team in creating an organization-wide design system, ensuring a consistent look and feel across distributed applications.
- **Advocated Modern Architectural Practices**
  Integrated Domain-Driven Design, Clean Architecture, Microservice Architecture, Micro frontend Architecture, and event-driven/message bus architecture into the software development lifecycle.
- **Oversaw Large-Scale Architecture & Solutions**
  Supervised architectural design and software engineering efforts for 80+ developers and 60+ QA engineers, ensuring efficient, high-quality product delivery.
- **Member of Key Governance Boards**
  Served as a member of the CAB Board, Product & IT Leadership Board, Engineering Management, Network Operations Center Support Board, Co-Chair of the Software Architecture Board, and IT Incident Management Review Board, shaping organizational technology strategies.
- **Employed Rapid Design Sprints**
  Introduced design sprint methodologies for swift prototyping and validation, increasing stakeholder buy-in and driving more successful deployments.
- **Defined Department Vision & Mission**
  Created a clear roadmap for the technology department, unifying engineering teams under shared objectives and driving focused innovation.
- **Delivered Critical Strategic Solutions**
  Directed the development of high-impact initiatives such as the Payroll Card Program, delivered a *PCI DSS-compliant card tokenization, omnichannel deployment across Retail, Web, Mobile, & Messaging platforms, and led the development of several products from an Architecture, Design, and Implementation standpoint, including Bill Payments and Top Up solutions to advance digital transformation.
- Led the efforts to convert the digital solution into a Platform-as-a-Service (PaaS) offering, which is now actively used by key partners, including Felix Pago via WhatsApp.

*Pending certification.

Intermex Wire Transfer LLC| Remote

Lead Software Engineer | May 2021 – Sept 2024

- **Drove Delivery of Business Outcomes & Digital Revenue Growth**
  Directed an online technology transformation for mobile, web, and cloud-based products, resulting in a 60%+ year-over-year increase in digital revenue.
- **Streamlined SaaS Partner Onboarding**
  Improved partner onboarding by developing automation into the process, cutting the timeline from six months to just 90 days, and expediting revenue generation opportunities.
- **Implemented CI/CD Pipelines**
  Automated build, test, and deployment processes for mobile, web, and API projects, accelerating releases and improving software quality.
- **Mentored Technical Teams**
  Guided developers on best practices in code review, software design principles, and architectural patterns, providing one-on-one coaching that elevated overall team expertise.
- **Modernized Legacy Systems**
  Led initiatives to transform monolithic applications into modern, scalable, cloud-based solutions, including mobile apps for sales agents, retail agencies, and consumer-facing online transactions (web and mobile)
- **Oversee End-to-End Software Delivery**
  Oversaw the complete software lifecycle, from initial design to production deployment, ensuring teams take full ownership of monitoring and production issues. Established a structured maintenance cadence for ongoing support, reducing downtime and enhancing overall platform stability.

- **Recruited and Onboarded New Team Members**
  Expanded the engineering workforce by 120% through successfully hiring and integrating 40+ new engineers. Streamlined recruitment and onboarding processes, ensuring rapid productivity and alignment with organizational goals.
- **Strategic Platform Architecture & Pricing Innovation**

  - Led end-to-end architecture and leadership of a centralized, rules-based Pricing Engine, powering Intermex's omnichannel ecosystem across Web, Mobile, Retail, API, and Messaging (including WhatsApp and Felix Pago channels).
  - Enabled scalable configuration of fees, exchange rates, margins, discounts, and promotional incentives tailored by partner, country, channel, payment method, and transaction profile.
  - Integrated real-time pricing adjustments to improve conversion rates and maximize revenue while ensuring compliance and consistency across regulated markets.
  - Collaborated cross-functionally with Finance, Compliance, Engineering, and Product to build a secure, auditable, and high-availability system that processes millions of transactions monthly with 99.99 %+ uptime.
  - Drove measurable business outcomes, including accelerated go-to-market for new digital partnerships and products, while supporting Intermex's shift toward high-margin digital growth initiatives.

FAME Inc| Remote | Nov 2015 – May 2021

Tech Lead Software Engineer

- Led the migration of legacy systems, Student Information System to modern web-based platforms, ensuring data integrity and consistency.
- Implemented automation strategies to accelerate the time-to-market for new features.
- Mentored team members to enhance growth and proficiency, leveraging modern technologies to boost operational efficiency.
- Strong leadership in technical project and team management, with a focus on modeling, coaching, and fostering growth.
- Proven ability to explore new opportunities, engage with partners, and lead architecture and design activities.
- Expertise in driving improvements to software engineering practices and sharing knowledge with engineering teams.
- Skilled in enabling complex system integration scenarios and collaborating with internal and external teams.
- Committed to driving workflow improvements and building solutions to support large-scale project delivery.

Leadership Skills

- **Strategic Thinking & Vision:** Conceptual Planner, Vision-Driven Leadership
- **Innovation & Problem Solving:** Working Genius: Invention, Methodical Architect
- **Execution & Accountability:** Working Genius: Tenacity, Ownership & Integrity
- **Influence & Communication:** Influence with Purpose, Direct, Impactful Style (DiSC-D)
- **Relationship Building:** Network Cultivator, Approachable Leadership
- **Results Orientation:** Driven to Deliver (DiSC-D), Fast-Paced Action
- **Listening & Presence:** Active Listener, Supportive Listener
- **Continuous Growth & Self-Awareness:** Continual Learner, Self-Regulated Leader
- **Challenge-Driven:** Constructive Challenger, Bold yet Respectful

Technical Skills

- **Languages & Platforms**: C#, Java, JavaScript, Python, TypeScript
- **Development Tools**: Visual Studio, Android Studio, Xcode, VS Code
- **Cloud**: Azure, AWS, Vercel,

- **Frameworks**: .NET Core, ASP.NET Core, ASP.NET, Blazor, MAUI, React, React JS, React Native, Vue.js, Node.js, Angular.
- **IaC/CI/CD**: Azure DevOps, Team City, Octopus Deploy, Terraform, YAML, Azure CLI.
- **Supplemental Skillset**: Microservices architecture, ML-based recommendation engines, system integration, relational and non-relational databases, and domain-driven design.
- **Project Management**: Azure DevOps, Monday.com, Jira, Lucid chart
- **AI Agents**: Chatbot, AI Agents
- **Mobile Development**: Android, iOS
- **Monitoring and Alerting**: Datadog, AppInsights, Crashlytics
- **Testing**: Lambda Test, Appium, XUnit, Postman API Testing, TDD, K6, Load Testing, Performance Testing

Education

Instituto Tecnológico las Américas (ITLA)
Technician of Software Engineering - Santo Domingo, Dominican Republic

Instituto Politécnico Parroquial Santa Ana
Technician of IT - Santo Domingo, Dominican Republic

COURSES & CERTIFICATIONS

- Artificial Intelligence Foundations: Machine Learning (View Credential)
- Certified Professional Leader of Business Relationships (PeopleTek Certificate Id:121639723)
- ChatGPT and Generative AI: The Big Picture (View Badge)
- Getting Started with Artificial Intelligence for Business (View Badge)
- Artificial Intelligence Essentials: AI-based Chatbots (View Badge)
- Course AZ-204: Developing Solutions for Microsoft Azure (View Badge)
- The AI Developer's Toolkit (View Badge)
- Developing an Artificial Intelligence Strategy for Your Organization (View Badge)
- Artificial Intelligence Essentials: Responsible AI (View Badge)
- AI & Generative AI: Executive Briefing (View badge)
- Getting Started with Artificial Intelligence for Business (View Badge)
- Terraforms – Getting Started (View Badge)
- Microservices Architecture Fundamentals (View Badge)
- Microservices Patterns with Streaming (View Badge)
- Code Review: Best Practices (View Badge)
- Securing Microservices in ASP.NET Core (View Badge)
- Implementing a Data Management Strategy for an ASP.NET Core Microservices Architecture (View Badge)

Additional Information

- **Award – Intermex Outstanding Performance 2024:**
  Recognized for turning a defunct, revenue-losing digital platform into one of the organization's fastest-growing business opportunities. By introducing modern software architectural practices, streamlining development processes, enhancing performance, and aligning cross-functional teams, achieved significant revenue growth (60 %+ YoY) and revitalized the company's digital landscape.