

**Alex I. Melendez**

**Software Engineer**

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## Profile

Versatile and results-driven Software Engineer with extensive experience in building and maintaining complex applications for banking and fintech environments. Proficient in C#, .NET, and modern front-end technologies, with strong problem-solving skills and a commitment to writing clean, maintainable code. Skilled at leading initiatives, onboarding new developers, and delivering reliable software in collaborative, cross-functional teams. Open to 100% remote, hybrid, or onsite opportunities.

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## Professional Experience

**Hyosung America** – Miamisburg, OH

**Software Engineer** | 2020 – Present

- Built customized ATM and TCR (cash recycler) applications for major U.S. financial institutions.
- Developed and maintained UI and logic in C#, XAML, and .NET, transitioning screens from XAML to HTML/JavaScript.
- Collaborated with QA, product, and hardware teams to ensure security, performance, and compliance.
- Led onboarding of junior developers and improved code quality through structured reviews and test practices.
- **Impact:** Reduced bugs by 15% and significantly improved delivery timelines.

**TEKsystems (Contracted to Hyosung America)** – Miamisburg, OH

**Software Developer** | 2019 – 2020

- Contributed to ATM software development in a high-security, regulated environment.
- Assisted with integration of hardware modules and customer-specific UI workflows.

**Banco Nacional de Costa Rica (BNCR)** – San José, Costa Rica

**Software Developer** | 2015 – 2019

- Developed and maintained enterprise systems, including intranet (SEDI), online banking, and mobile platforms.
  - Built web and mobile features using C#, .NET, HTML5, JavaScript, and WCF services.
  - Led efforts in developer training and onboarding, enhancing team velocity and consistency.
  - **Highlight:** Part of the launch team for BN My Bank (iOS), delivering robust Objective-C mobile features.
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## Education

**Universidad Fidélitas** – San José, Costa Rica

**Bachelor's in Computer Systems Engineering** | 2012 – 2015

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## Certifications

- Certified Scrum Master – Scrum Alliance
  - Certified Scrum Master – International Scrum Institute
  - Mobile App Development (Objective-C) – CTEC
  - Angular – Universidad CENFOTEC
  - C# Development – Mosh Hamedani (Code with Mosh)
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## Selected Projects

### BN My Bank (iOS App)

- Designed and developed key mobile banking features using Objective-C as part of the inaugural dev team.

### HTML-based ATM Screen Overhaul

- Rebuilt traditional ATM screen flows using HTML/JavaScript, improving maintainability and UX flexibility.

### ATM Security Infrastructure

- Helped implement secure kiosk environments using BitLocker, whitelisting, and hardened shell apps.

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## Skills

**Languages:** C#, JavaScript, HTML5, TypeScript

**Frameworks & Libraries:** .NET, WPF, MVC, React

**Tools & Tech:** SQL Server, WCF, XML, XAML

**Practices:** Agile/SCRUM, Secure Coding, Code Review & Mentorship

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## Languages

- English: Fluent
  - Spanish: Native
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## Additional Information

- US Citizen
- Open to remote, hybrid, or on-site work