

Alfredo Velasco

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SOFTWARE ENGINEER | ENGINEERING MANAGEMENT

PROFESSIONAL SUMMARY

Technology leader with a history of delivering seamless IT solutions and intuitive user experiences. Expertise in software development, IT management, and infrastructure architecture. Experienced in driving compliance and scalability for backend systems and leading strategic initiatives by leveraging a track record of innovation and integration expertise.

AREAS OF EXPERTISE

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|--------------------|-----------------------|------------|------------------------|
| ✓ Web Platforms | ✓ Software Design | ✓ VAM | ✓ Product Management |
| ✓ Web APIs | ✓ Software Lifecycle | ✓ Gov Tech | ✓ Project Management |
| ✓ Embedded Systems | ✓ Info Sec/Compliance | ✓ Fin Tech | ✓ Business Development |

CAREER HIGHLIGHTS

IT Management: Have hired, mentored, trained, and promoted high performers to build 10X'er teams for over 5 years.
Integrations and Business Development: Built the foundation of Spreadly's and Stripe's partnership with a backend integration that combines Stripe's advanced security features with Spreadly's PCI compliant payment processing features.
SOC 2 Compliance: Started the effort to obtain SOC 2 Type 1 report as well as SOC 2 type 2 audit at CivicEye.

PROFESSIONAL EXPERIENCE

Sr. Software Engineer, Vitro3D, Boulder, CO | July 2024 – Present

Building software tools for Vitro3D by leveraging full stack web application experience. Building robust, secure and performant backends for intuitive front ends using modern stacks including Vite + React, and Node.js + Express.js and embedded systems like Arduino and serial/low-voltage communication devices.

- Maintain and enhance software suite including a multi-physics simulations app, the printer driver app, and an application to verify printer driver app functionality.
- Provide advice to founders on IT services and implementations, business development, and software sales.
- Hired and onboarded 2 interns to speed up Front End software development tasks.

Co-Founder and CTO, CivicEye, Charlotte, NC | Oct 2021 – Mar 2024

Led IT, software development, information security, and infrastructure efforts to deliver records and document management solutions to law enforcement agencies, District Attorney offices, and Municipal courts. Spearheaded strategic initiatives and process design and implementation to foster operational excellence and CJIS compliance.

- Oversaw end-to-end DevOps, info security, and development activity for delivering mission-critical solutions.
- Coached and mentored 5 developers and 2 infrastructure engineers to help them grow their skills and careers. Wrote over 200 pages of technical and product documentation for Engineers, sales, and operations.
- Contributed to expanding ARR from \$1 MM to \$2.5M over 2+ years as CTO, resulting in a \$20 Million+ Valuation.
- Optimized and monitored hybrid-cloud infrastructure to support scalability and reliability of services.

Tech Lead and Sr. Software Engineer, Spreedly, Durham, NC | Mar 2021 – Sept 2021

Utilized agile methodologies to streamline development processes while creating comprehensive documentation and conducting product training sessions for all deliverables.

- Designed and implemented payments integrations between Spreedly's APIs and Stripe in Ruby on Rails payment processor application, delivering an MVP two weeks ahead of schedule by using agile methodologies to accelerate project timelines and ensure efficient delivery.
- Developed comprehensive documentation to facilitate seamless adoption of new integrations.
- Conducted product training sessions to empower internal stakeholders with the necessary knowledge and skills.

PROFESSIONAL EXPERIENCE CONTINUED

Tech Lead and Staff Software Engineer, Lowe's Home Improvement, Charlotte, NC | Aug 2019 – Feb 2021

Delivered a working Android app prototype to replace a \$1 million+/year VMware contract and serve over 200,000+ store associates nationwide. Led a team of 6, and earned a reputation for excellence in mobile software delivery.

- Designed and developed an Android app launcher prototype, in Java/Kotlin to improve in-store operations and efficiency, while building a team of 6 members around me from scratch.
- Received recognition from executive operations team for excellence in delivery and significant cost savings achieved through in-house development.
- Leveraged Agile practices to ensure timely delivery and high quality outcomes.

Freelance Developer, rRipple, Remote | Aug 2017 – Sept 2021

- Leveraged overseas developers to supplement technical expertise and accelerate project timelines and delivered a high quality solution with a robust Laravel/PHP backend.

Android Software Engineer, Passport, Charlotte, NC | Dec 2017 – Aug 2019

- Worked on flagship parking application and enhanced complex parking session UI in Java and Kotlin.

Android Software Engineer, Ticketmaster, Raleigh-Durham, NC | Aug 2016 – Nov 2017

- Patched and enhanced multiple Android apps with Java and Kotlin, including: the Ticketmaster core Android app to include analytics tracking; Soundcheck app, to utilize Ticketmaster open APIs and new Spotify auth endpoints; and finally an Amazon Alexa Skill with NLP and AI to sell concert tickets from voice commands.

EDUCATION

MS in Computer Engineering, Duke University, Durham, NC

BE in Electrical Engineering, Thayer School of Engineering at Dartmouth, Hanover, NH

BA with Honors in Engineering, Dartmouth College, Hanover, NH

TRAINING & CERTIFICATIONS

Journeyman Guitar Making and Maintenance, Galloup Guitars, Big Rapids, MI | Summer 2012

AWARDS & PUBLICATIONS

GovTech 100: 2024, Award to top GovTech govtech.com | Jan, 2024

Measuring Verifiability in Online Information, arXiv Conference Proceedings, Perth, Australia | Nov, 2015

Writing without Disturb on Phase Change Memories by Integrating Coding and Layout Design, MEMSYS '15 Proceedings, Washington, DC | October, 2015

Mazilu Fellowship for Undergraduate Research, Thayer School of Engineering at Dartmouth, Hanover, NH | June, 2013