

# ALEXANDER CABANILLA

## Executive Engineering Leader

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### PROFILE

Results-driven software engineering leader with experience building high-performance technical teams to deliver scalable, customer-centric products most recently in the regulated FinTech space. Proven in mobile/web full-stack applications, cloud migrations, microservices transformations, and agile processes improvements to yield efficiency improvements, cost-savings, and enhanced customer experiences. Establish strong partnerships with stakeholders across the organization to align on the company vision, drive strategically toward our goals, and provide amazing products that customers love. Passionate about cultivating growth and developing talent within my teams who thrive in high-impact roles across the organization.

Repatriating to Washington DC Area (July–August 2026) | Seeking Hybrid/Remote Opportunities Starting Summer 2026

### EXPERIENCE

#### Career Break • Copenhagen, Denmark

2024 – 2026

- Relocated family internationally, honing cross-cultural resilience, decision-making in ambiguity, and global stakeholder navigation
- Maintained technical currency through AI, startup, and engineering leadership meetups; expanded EU/global tech network
- Volunteered in youth sports coaching and ESL tutoring, reinforcing communication, mentoring, and team-building skills
- Achieved Danish language proficiency (A2 level) and deepened insights into European markets/culture to inform product strategies for international audiences
- Open to remote US roles from Copenhagen; planning relocation to Washington, DC area in summer 2026

#### Senior Director of Software Engineering • Capital One Financial, US

2022 – 2023

- Organization of 60+ associates/contractors across mobile, web, and AWS backend services
- Led enterprise-wide mobile application migrations to modern architecture, achieving 85%+ automated testing coverage and implementing on-device instrumentation to enhance performance, reliability, and user experience for 40MM monthly active users
- Defined and managed an operational strategy to onboard 14 staff-augmented mobile teams exceeding 100+ contractors that were deployed across organization units. Responsible for vendor management of performance, key milestones, and cost control
- Transformed a 54-endpoint, AWS monolithic service for web client to microservices architecture saving \$500K+/yr and retiring security risk in legacy code. Leveraged microservices in mobile clients for a consistent user experience and additional savings
- Transitioned the organization from an agile job family to technical program managers (TPM) as a core member of a 3-person team
- Orchestrated talent/performance reviews for the organization while defining/prioritizing hiring backlog to drive strategic growth
- Mentored and developed 20+ people leaders and individual contributors for the broader organization and Hispanics In Tech

#### Director of Software Engineering • Capital One Financial, US

2019 – 2022

- Organization of 35+ associates/contractors across mobile, web, and AWS backend services
- Reorganized full-stack web teams, mobile cross-platform teams, and backend teams allowing for the end-to-end ownership of enterprise features across clients improving cross-channel experiences and velocity
- Led cross-functional team comprised from 7 organizations to design a merged agent portal and customer applications resulting in a shared platform, considerable cost savings, refined security controls across the ecosystem, and improved customer service
- Established 3 clearly demarcated stages of application launch, authentication, and login experiences by coordinating a redesign of mobile application bootstrapping and login flows bringing clarity of ownership across multiple teams
- Absorbed backend 2 orchestration teams into mobile teams creating full-stack teams delivering increased leverage across APIs

#### Senior Manager & Technical Lead • Capital One Financial, US

2016 – 2019

- Teams of 15+ associates/contractors across mobile platforms
- Aligned CI/CD efforts across mobile platforms leading to velocity improvements and consistency of mobile deliveries
- Established program and process improvements across LOBs to facilitate faster delivery to market and improved reliability
- Served as TPO for the evolution of QE team to a software engineering team leading to velocity improvements across the program
- Merged iOS and Android teams to establish shared approach to mobile development that produced feature parity for customers

## Master Software Engineer ▪ Capital One Financial, US

2014 – 2016

- Streamlined processes and increased productivity by implementing CI/CD strategy for iOS teams and Apple App Store deliveries
- Rearchitect existing iOS client-facing features by designing reusable components that expedited development for 25+ teams
- Establish mobile patterns for integration of RESTful APIs and orchestration services for application access to backend data
- Individual Contributor of iOS mobile feature leading to a newly, launched flagship application from zero to millions of customers

## Principal Engineer ▪ MuseAmi Software, US

2007 – 2014

- Led signal processing development of products targeting music, entertainment, and education markets for a startup company co-founded by Juilliard musician and leading AI scientist. The innovations formed the patent portfolio for the company
- Built powerful, highly configurable platform for audio signal processing platform as a client-facing SDK for simple, rapid development across Android, iOS, MacOS, Linux, and embedded applications
- Integrated SDK into desktop applications, consoles, and mobile clients, including Guitar Hero, DJ Hero, and Qualcomm mobile chipsets

## PREVIOUS EXPERIENCE HIGHLIGHTS

**Senior Engineer ▪ Sirius Satellite Radio ▪ 2003 - 2007** Developed and delivered proprietary audio codec software for all Sirius satellite radio products. Integrated internal audio SDKs into partner products and provided SDLC support. Created next-generation products and chipsets as Advanced Products Team member with a focus on cost reduction

**Senior Engineer ▪ iBiquity Digital now Xperi ▪ 2000 - 2003** Authored consumer audio algorithms and improved techniques for fixed-point chipsets leading to cost-effective, high audio quality solutions for consumer radios for Sirius Satellite Radio and XM Radio. Developed robust test signal generation and deployment platform. Designed multi-channel transmission improvements

## PATENT PORTFOLIO (Selection below from US and International grants)

- US-20250165567A1 *"Systems & Methods for Generating Composite User Profiles based on locally-sourced & aggregated user profiles"*
- EP2718932 *"Enhanced media recordings and playback"*
- WO2011002933 *"Vocal and instrument audio effects"*
- US-7838755-B2 *"Music-based search engine"*
- US-7191136-B2 *"Efficient coding of high freq. signal information using linear/non-linear prediction model based on a low pass baseband"*

## PRODUCT AWARDS

J.D. Powers Award Best Mobile Banking Application 2017 & 2018 ▪ Fast Company Innovation Design 2016 ▪ App Design Awards Gold Winner 2016 ▪ Mobile Excellence Award 2016 ▪ W3 Silver Winner 2015 ▪ Webby Awards 2015 ▪ Stiletto 2 Int. CES Innovation Design & Engineering 2008 ▪ Stiletto, Sportster 4 CES Innovation Design & Engineering 2007 ▪ HDRadio Software International ▪ CES Design & Engineering 2004

## EDUCATION

- Masters of Science Electrical & Computer Engineering University of Florida ▪ Concentration in Signal Processing & Communications Theory
- Bachelor of Science Electrical Engineering University of Florida ▪ Concentration in Communication Systems

## SKILLS

**Professional:** Technical Leadership, People Development, Stakeholder Management, Vision Setting, Strategic Thinking, Problem Solving & Innovation, Cross-Functional Collaboration, Organizational Design, Scaling Teams

**Technical:** Mobile & Web Applications, Microservices & Cloud Infra, CI/CD, DSP Algorithm & Embedded Design, Architecture Design, Fin Tech & Compliance, Machine Learning & AI

**Personal:** Communication, Innovative Mindset, Emotional Intelligence, Adaptability & Resilience, Influence, Team Culture

## LANGUAGES

English - native speaker, Spanish - intermediate, Danish - beginning

## INTERESTS

I enjoy travel, museums, and reading with a particular interest in historical fiction and biographies all of which help to broaden my understanding of the world and other cultures.