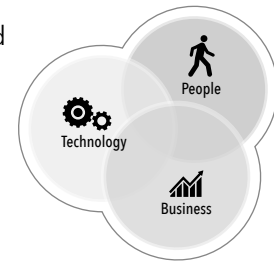# FARSHAD NAYERI

+1.617.823.3876   **farshad.io**   farshad@igencorp.com

Experienced product leader with deep knowledge of platform innovation and a proven track record of delivering results. Unique ability to combine and reshape business and technical constraints into leveraged, scalable solutions. Adept at integrating emergent business visions into tangible outcomes across the entire product lifecycle. Thrives in dynamic environments, leading teams through critical, high-stakes challenges.

SELECTED EXPERIENCE

CPTO, PIXXA LLC, BOSTON, USA   2013–present

Bootstrapped company to create a core technology for motion data visualizations.
Led team to ship world's most advanced iPad data visualization app. Adapted to 5 distinct verticals.
Considered by Microsoft for acquisition. Currently transitioning to VisionOS.

PLATFORM LEAD

Data Cinematography App on the iPad, Pixxa Perspective
Led team to develop and release 8 versions of advanced iPad apps and supporting SaaS cloud.

PRODUCT LEAD

Lean Manufacturing Process Visualization App, GoSee Technologies
Applied core technology to create a distributed App to measure manufacturing performance.

Retirement Readiness Sales App, Fidelity Investments
Empowered Fidelity's institutional sales team to adapt app for 401k sales to Fortune-100 customers.
Sales staff used app to present customer data in motion visualizations. Results: $50M in bookings.

DEVELOPMENT LEAD, IGEN CORP, BOSTON, US   2001–present

Oversee all aspects of product development for clients ranging from startups to multinationals.
Lead teams through all stages of mission-critical applications, from conception to delivery.

PLATFORM LEAD

Enterprise SaaS Platform, Ernst & Young Global Innovations
Led international agile team to plan, define & develop EY's enterprise blockchain platform based on a federated microservice architecture on top of Azure cloud.

SaaS Store Management Platform, Red Book Keep
Led end-to-end design, development, and delivery of store management SaaS app on iOS, Android, Web capturing millions of images from 80,000 locations to the AWS cloud, atop a digital transformation workflow processing 1000s of PDFs / month.

Fintech Platform for Financial Compliance, Boston Regtech
Create an investigation platform for financial institutions to perform smart investigations on behalf of FinCen. Apply analytic, visualization, and machine learning techniques to optimize flow to generate SARs.

Distributed App for Tracking Patient Symptoms, Trackware
Led team to develop pioneering platform for mobile tracking of patient symptoms.

Online Fitness and Nutrition App, Channelfit
Led team to design and develop on-line system to create personalized diet and workout plans.

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DEVELOPMENT LEAD, IGEN CORP, BOSTON, US   2001–present

Legal e-Discovery Document Review System, Case Architect
Led team to develop Web 2.0 platform for reviewing, tagging, and categorizing PDF documents.

Distributed Interactive Circuit Diagnostic System, Verizon Labs
Led team to design & develop a unified platform for testing all Verizon Circuits.

New Investment Warning System, Baupost Group
Led design & development of a system to track compliance constraints on hedge fund investments.

Collaboration System for Business Innovation, DisruptiveInnovation.org
Worked directly with Clay Christensen (Harvard Business School) to productize his vision for collaborative business innovation, later reformulated into dx.MBA innovation platform.

PROGRAM MANAGER

Mobile Apps for Talent Management, Peoplefluent
Built a suite of talent management apps for iPad for augmenting client's HRM SaaS offering.

100+ Consumer iOS Apps, iPhone / iPad AppStore
Led conception, design, development, and release of more than 100 Apps.
Several appearances in Top Apps lists resulting in 7 million app downloads.

PLATFORM ARCHITECT

Portfolio Management UI Framework, Fidelity Investments
Developed SDK for a UI component framework to be used by 80 internal developers.

Interactive Trade Clearing, Chicago Mercantile Exchange
Developed trade clearing component for CME Future and Option Trades on Instant Messages.

SaaS Computational Medicine Discovery Platform, ConiferPoint
Created UX and commerce platforms for an early-stage drug discovery company.
Worked with C-suite to integrate product strategy to the system capabilities.

Real-Time QoS Monitoring System, Verizon Labs
Designed and developed real-time system to monitor and visualize network quality of service for the entire Verizon management network.

DIRECTOR, CRITICAL MASS INC, CAMBRIDGE, MASSACHUSETTS   1996 − 2001

Led team on positioning, specification, development and release of IDE in 7 operating systems.

PLATFORM LEAD

Reactor Web-based IDE, Critical Mass
Led design and development of pioneering web-based IDE for building distributed applications using a system programming language, Critical Mass Reactor.

Open Java Virtual Machine, Critical Mass
Led design and development of cleanroom Java Virtual Machine on 8 operating systems.

PRODUCT LEAD

Core Library for Remote Ship/Shore Control System , SRC Atlanta
Built user interface framework and components for coordinating control of C3 remote sensors.

Core runtime for Emergency Response, Positron Power911, Canada
Managed integration of multithreaded runtime as a core component in a distributed 911 emergency response system.

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SKILLS

TECHNICAL

Operating Systems: Unixes, iOS, visionOS, Windows.

UI Frameworks: ReactJS, Cocoa (Apple), d3js, 4 others.

Cloud: AWS, Salesforce/Heroku, Azure.

AI: Learned Machine Learning under Andy Barto, developed using OpenAI, Anthropic, Gemini APIs.

Programming Languages: Typescript, Python, Java, C, SQL, Obj-C, Ruby, Swift, and many others.

Web: Nodejs, SVG, CSS, Rails, Servlet, XSLT, Web Services.

Working knowledge of distributed & Internet protocols: ReST, OAuth, Web3.

Hands-on experience with Databases: Postgres, SQLite, MongoDB, Oracle.

PEOPLE

Decade+ of team leadership, including managing distributed, remote personnel.

Exceptional ability to use visual structuring techniques to enhance team and leadership understanding.

Adaptive to dynamic environment; can be productive in group settings or as individual contributor as the work requires.

Orchestrated over 25 high-tech conferences, serving thousands of participants.

Deep knowledge of analytic techniques to assist teams in overcoming obstacles (e.g., Tools of Cooperation).

BUSINESS

Decade+ of platform innovation.

Ability to synthesize business models and build systems that empower them.

Experience across diverse sectors: Financial, Medical, Telecomm, Life Sciences, Management, Development Tools, Manufacturing.

Financial: Cost modeling, Profit & Loss, Balance Sheet, Visualizations.

Agile Product Planning, Program Management, Story/Technical Specification.

Product Strategy, Roadmaps, GTM, Launch, Branding.

Expertise in Jobs to be Done, and Disruptive Innovation.

PATENTS & PUBLICATIONS

Automated interactive dynamic audiovisual performance with integrated data, US9721321B1.

Collaborative Screensaver, US6957398.

System and method for monitoring the performance and quality of service, WO2001039419.

System and method for monitoring the performance and quality of service provided by a communication service or network, AU1926801A.

Generalizing Dispatching in a Distributed Object System, Proceedings of ECOOP, 1994.

An Extended Transaction Environment for Workflows in Distributed Object Computing, IEEE Data Engineering, 1993.

EDUCATION

M.S., Computer Science, University of Massachusetts at Amherst
Thesis: Design of an object clustering mechanism for Persistent Smalltalk. GPA 4.0/4.0

B.S., Mathematics & Computer Science, Virginia Tech
Completed double major in three years while working to support self.

CONTACT

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