650.839.3478 Carlsbad, CA

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Engineering Leader | Driving Meaningful Impact Through Technology

Seasoned startup veteran with 15+ years in web programming, product development, and engineering leadership. Proven in acquiring, managing, and mentoring multidisciplinary teams and developing FDA-regulated SaMD products. Full-stack Ruby on Rails expert, passionate about building scalable systems and engaging user experiences. Skilled in driving projects from concept through deployment, consistently aligning product and engineering with business goals to deliver impactful results.

**WORK EXPERIENCE** 

#### **JIGSAW DIAGNOSTICS**

Advisor, Engineering | Menlo Park, CA | Remote | May 2021 - Current

- Developed foundational MVP of telehealth platform and EHR, architecting core features
  to streamline healthcare delivery and recruiting an engineering team to support the
  platform's scalability and future enhancements.
- Directed compliance efforts for complex regulatory requirements, leveraging in-depth **expertise in HIPAA standards** to ensure platform-wide adherence.
- Mentored and guided engineering team members, **fostering a collaborative**, **growth-oriented environment** focused on continuous learning.

### **COGNOA**

Vice President, Engineering | Palo Alto, CA | Remote | March 2023 - October 2024

- Collaborated cross-functionally to drive a **10x increase in clinician adoption within 3 months** through feedback loops and targeted product and process enhancements.
- Streamlined FDA-approved AI/ML SaMD releases by 75%, compressing cycle times from weeks to days by refining design controls and ETL pipelines for test outputs.
- Directed and secured **ISO 13485 and SOC 2 Type II certifications**, instituting robust compliance frameworks, including mock audits and regular penetration testing.
- Trimmed annual engineering costs by over 22% (\$300k+) by renegotiating QA contracts, rightsizing services, optimizing AWS resources, and capitalizing on third-party bulk purchasing.

Senior Director, Engineering | Palo Alto, CA | Remote | July 2021 - March 2023

- Guided engineering managers with agile practices (1:1s, stand-ups, retrospectives),
   accelerating delivery by 20% and expanding test coverage by 60% to ensure upwards of 80% coverage on all platforms.
- Drove talent acquisition, **scaling team size from 5 to 30** through HR collaboration on recruitment campaigns, interview standardization, and ATS automations.
- Achieved leading retention rates and lowest turnover company-wide by cultivating inclusivity, emphasizing performance management, and promoting open communication.
- Secured favorable vendor contracts for QA testers and developers, **preserving quality standards and yielding \$150k in savings** within the first year.

Director, Engineering | Palo Alto, CA | Remote | January 2021 - July 2021

- Enhanced productivity and promotion rates by fostering cross-functional alignment through strategic 1:1s, collaboration with peers and leaders, and targeted goal-setting.
- Modernized infrastructure by adopting Docker and ECS, automating CI/CD pipelines, and integrating real-time code analysis and monitoring tools, resulting in reduced bugs, enhanced performance, and improved customer satisfaction.

## **Key Highlights**

- Built multiple healthcare platforms from the ground up
- Deep expertise in Ruby on Rails,
   JavaScript, & system architecture
- Strong focus on compliance, regulatory, and quality
- Experienced in talent acquisition, performance management, and agile methodologies

#### **Technical Skills**

- System Architecture & Scalability (Cloud Infrastructure, AWS, Azure)
- Data Modeling & Database Management
- Microservices & High-Availability Systems
- Software Development (Ruby on Rails, JavaScript, Node.js)
- · API Development & Integrations
- DevOps & CI/CD
   (Docker, ECS, CircleCI, GitHub Actions, monitoring & logging)
- · Automated Testing & Deployment
- Compliance & Quality (FDA, HIPAA, ISO, SOC2)
- · Engineering KPIs & OKRs
- · Agile & Lean Methodologies
- Product Roadmapping & Feature
   Prioritization

Lead Engineer | Palo Alto, CA | Hybrid | September 2017 - December 2020

- Collaborated with data science, clinical research, and regulatory teams to develop and execute clinical validation trials, **securing FDA Breakthrough Device designation**.
- Produced high-quality, HIPAA-compliant products by coordinating cross-functional teams and utilizing Kanban-style planning tools and routine security reviews to meet tight deadlines.

Senior Software Engineer | Palo Alto, CA | Hybrid | August 2015 - August 2017

- Pioneered backend infrastructure as the sole full-stack engineer for web and API layers, supporting iOS and Android platforms while balancing optimizations for rapid development, performance, and reliability.
- Engineered **scalable data models**, **APIs**, and **web interfaces**, achieving peak performance and seamless platform integration.

### **FUNNY OR DIE**

Software Engineer | San Mateo, CA | Hybrid | March 2013 - August 2015

- Constructed and sustained interactive features on FunnyOrDie.com, attracting over
   20M unique visits and nearly 65M video views monthly through user engagement.
- Designed and implemented a high-traffic on-site activity feed system backed by Redis, processing millions of interactions monthly and significantly boosting user engagement.
- Launched popular parody sites such as what-name.net and scienceology.fm,
   broadening the brand's creative reach and appealing to a global audience.
- Collaborated on the successful August 2013 site redesign and relaunch, enhancing performance and user experience through improved UI and backend optimization.

## COVERHOUND, INC.

Software Engineer | San Francisco, CA | Hybrid | August 2011 - February 2013

- As the first engineering hire, developed the industry's first real-time home and auto insurance comparison platform using Ruby on Rails, enabling instant, actionable rate delivery.
- Led end-to-end product development from feature inception to integration, managing design, engineering, and ops roles to ensure rapid, high-quality delivery in a dynamic startup setting.
- Devised front-end design and constructed scalable infrastructure to support rapid growth, ensuring a seamless, top-tier user experience for customers and agents.

**EDUCATION** 

# **NOTRE DAME DE NAMUR UNIVERSITY**

B.S. Computer and Information Science, Software Engineering

- Received an outstanding academic achievement award, graduating Summa Cum Laude with a 3.92 GPA.

LINKS

**LinkedIn** linkedin.com/in/ibanez270dx **GitHub** github.com/ibanez270dx

Website humani.se

### **Management & Leadership Skills**

- Team Building & Acquisition
   (Recruiting, onboarding, managing cross-functional and distributed teams)
- Mentorship & Development (Building a growth-oriented culture, skills development, mentoring programs)
- · Cross-functional Collaboration
- · Performance Management
- Stakeholder Alignment (C-suite, board members, and external partners)
- Technology Strategy & Innovation (Developing technology roadmaps, exploring emerging technologies)
- User-Centric Development (Emphasis on user experience, incorporating customer feedback)
- Risk Assessment & Problem-Solving
- Change Management (Scaling, reorganization, and process implementation)
- · Budget & Resource Management

# Volunteering

### Mentorship

STEM NOW @ SJSU

Conducted two beginner Ruby on Rails workshops for STEM NOW, introducing students to modern web technologies as an alternative to Java and supporting networking and mentoring for women in STEM.

### **Other**

### **Zero To Deep Learning**

UC Berkeley, Francesco Mosconi

Intensive, hands-on training in deep learning concepts, including CNNs, RNNs, model evaluation, and deployment techniques.