
KELLI MIGUEZ

PROFILE

Senior Software Engineer with 20 years of experience architecting, building, and owning complex systems—from healthcare platforms to payment processing and API integrations. I think in systems, not silos. I build for the long haul, document thoroughly, and lead with a focus on product integrity and maintainability. I thrive in environments that value structure, real Agile practices, and thoughtful engineering culture. I mentor teams, shape architecture, and drive impact. I am passionate about solving meaningful problems at scale.

EXPERIENCE

IMED SOFTWARE / INFINX – 2006-PRESENT

SENIOR SOFTWARE ENGINEER / DIRECTOR OF COMPLIANCE

Built and maintained a healthcare platform from the ground up by architecting the system, leading compliance, and owning the product for nearly two decades.

- **Architected and built the SaaS platform** – Converted a legacy .NET application into a modern, web-based EHR system that served multiple clients.
- **Led healthcare compliance** – Drove multiple NIST certification cycles and maintained HIPAA compliance for the product.
- **Designed and maintained integrations** – Built FHIR, HL7, and REST APIs connecting the EHR to labs, vaccine programs, and third-party systems.
- **Mentored engineers** – Guided new developers through the codebase, architecture, and development workflows.
- **Owned the product end-to-end** – From requirements and design through deployment, maintenance, and documentation.

THE IMPACT: Kept a mission-critical healthcare platform alive and evolving for 20 years through two acquisitions, changing teams, and constant regulatory shifts.

IMOD INC – 2006-2010

SOFTWARE ENGINEER

Built web applications and integrations for K-12 school districts and e-commerce applications for national brands.

- **Built a student payment processing system** – Enabled parents to fund school lunch accounts and schools to track purchases across multiple districts.
- **Integrated payment gateways and reporting tools** – Built custom solutions for e-commerce and education clients.
- **Managed customer support and feedback loops** – Incorporated user needs directly into product improvements.

KAYLIN GROUP – 2005-2006

UX DESIGNER/DEVELOPER

Designed websites and conducted A/B testing for conversion optimization.

- Designed and developed client websites with a focus on user experience and conversion.
- Built a custom CMS and conducted A/B testing to measure user engagement.

EDUCATION

LOUISIANA STATE UNIVERSITY – B.S. BIOCHEMISTRY 2005

LOUISIANA STATE UNIVERSITY – B.A. ENGLISH 2005

SKILLS

Frontend: JavaScript, TypeScript, React, HTML5, CSS, Sass, Bootstrap, Flutter, Dart

Backend: PHP, Python, C#, C++, SQL, Node.js, REST APIs, R

Cloud & DevOps: AWS, Azure, Firebase, Docker, Git

Healthcare & Integrations: FHIR, HL7, OAuth 2.0, SSO, HL7 v2.x

Databases: PostgreSQL, MySQL, Firestore, SQL Server

CLINICAL EXPERIENCE

Emergency room, urgent care clinic, and as pathologist's assistant experience during college. Gained firsthand experience with clinical workflows, diagnostic process, and healthcare environment.

PERSONAL PROJECT

MACHINE LEARNING (ML) / AI DIAGNOSTIC DECISION SUPPORT API

Designed a validation methodology for ML-based diagnosis from lab results, applying biochemistry and pathology expertise. Built with Python and R, using FHIR standards for healthcare data representation.