BOUNAIX LLC

Patrick Bounaix

Software Expert Witness & Litigation Support

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PROFESSIONAL SUMMARY

Patrick Bounaix is a software expert witness and senior technology executive with 20+ years of hands-on engineering, architecture, and leadership experience across SaaS platforms, distributed systems, regulated transactional workflows, AI/ML-enabled systems, and SDLC governance.

He has supported software-related expert witness matters involving technical analysis, written report preparation, deposition preparation, and deposition. His litigation support work includes analysis of website behavior, technical implementation, source and system evidence, supporting documentation, development effort, system failure, requirements/scope issues, and accepted software engineering practices.

His operating background includes VP Engineering and Director-level roles across SaaS, fintech, insurtech, healthcare, payroll, enterprise software, and other regulated technology environments, with responsibility for engineering strategy, software delivery, organizational scaling, technical governance, cloud architecture, security, and compliance.

LITIGATION & EXPERT WITNESS EXPERIENCE

Software Expert Witness Matters

- Two prior software expert engagements, including technical analysis, written report preparation, deposition preparation, and deposition.
- Provided litigation support in a web property and online referral-business dispute involving website behavior, technical implementation, supporting documentation, competitive comparison, and development effort analysis.
- Work included review of website functionality, screenshots, domain and sitemap evidence, comparable-site analysis, report support, deposition preparation, and deposition.

REPRESENTATIVE MATTER TYPES

- Software development practices and SDLC governance
- Accepted software engineering practices
- Software implementation disputes
- Software project delivery and failure analysis
- Technology services disputes
- Web-based platform and SaaS matters
- Software vendor performance and contract disputes
- Commercial reasonableness of software services

LITIGATION & EXPERT SERVICES

- Expert consultation
- Technical evidence review
- Independent software assessments
- Technical due diligence
- Deposition preparation
- Written report support
- Deposition support
- Rebuttal analysis
- Software project delivery assessment
- Engineering governance evaluation
- Software vendor performance review

AREAS OF EXPERTISE

Accepted Software Engineering Practices	**Software Development Lifecycle (SDLC)**
Software Project Delivery and Failure Analysis	**Engineering Management and Organizational Leadership**
Software Vendor Performance	**Technology Governance and Risk Management**
SaaS Platforms and Cloud Architecture	**AI-Enabled Software Systems**
Commercial Reasonableness of Software Services	**DevSecOps and Software Quality Practices**

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PROFESSIONAL EXPERIENCE

Founder & Principal Advisor — BOUNAIX LLC — 2025-Present

Provides fractional CTO leadership, technical advisory, engineering operating assessments, technical due diligence, and software expert witness support.

- Evaluates architecture, delivery, engineering organization practices, and technical work against matter-specific facts.
- Conducts independent assessments for investment, acquisition, modernization, and legal proceedings.
- Provides expert witness and litigation support involving system behavior, technical implementation, SDLC governance, requirements/scope disputes, and software delivery issues.

Independent Consultant / Principal Software Architect — Patrick Bounaix — 2005-2025

Long-term consulting and software architecture engagements across regulated, enterprise, startup, and SMB environments.

- Principal architect and engineer for a mission-critical transaction platform processing more than $1B annually across AML and fraud-sensitive workflows.
- Designed, built, and maintained custom business-critical systems across finance, retail, legal-support, healthcare, insurance, and enterprise environments.
- Supported software-related legal matters through technical review, website behavior analysis, technical implementation review, supporting-document review, comparable-site analysis, development effort analysis, report support, deposition preparation, and deposition.

Vice President, Software Engineering — Roots Automation / roots.ai — 2023-2025

- Scaled global engineering organization from 6 to 30+ with responsibility for software delivery, architecture, quality, and security.
- Led technical review supporting Series B financing.
- Directed AI-enabled insurance automation systems processing more than 1M documents annually with greater than 97% document-level accuracy.
- Established DevSecOps practices, engineering metrics, observability, and cloud governance.

Director of Engineering — Vestwell — 2017-2023

- Directed engineering delivery for a regulated fintech platform through Series C expansion.
- Grew engineering organization from approximately 20 to more than 80 engineers.
- Designed event-driven architecture improving platform reliability and supporting 150% user growth.
- Established engineering process, career frameworks, leadership development, and organizational governance practices.

LITIGATION-RELEVANT PROFESSIONAL EXPERIENCE

VP, Software Engineering — Roots Automation: Led AI-enabled insurance automation platforms, engineering operations, financing diligence, and software delivery across a rapidly scaling technology organization.

Director of Engineering — Vestwell: Directed engineering delivery and organizational growth for a regulated fintech platform through Series C expansion.

VP of Technology — FieldOne: Led enterprise software architecture and engineering leadership in an enterprise software company later acquired by Microsoft.

Principal Architect — Transaction Platform (2012–Present): Architect and lead engineer for a mission-critical custom transaction platform supporting more than $1B in annual transaction volume across AML and fraud-sensitive workflows.

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REPRESENTATIVE PROFESSIONAL ACHIEVEMENTS

Engineering Organization Growth: Built and led engineering organizations through Series B and Series C growth, expanding teams from 20 to 80+ engineers at a Series C fintech SaaS platform and 6 to 30+ at an AI/automation startup, with engineering organization design and hiring responsibility.

Artificial Intelligence Systems: Architected and oversaw production LLM pipelines processing 1M+ insurance documents annually, achieving 97%+ document-level accuracy across structured and unstructured workflows.

Regulated Technology Platforms: Architect and engineering leader for mission-critical financial systems processing more than $1B annually across workflows subject to AML and fraud controls.

Security and Compliance: Led SOC 2 Type II audit readiness and ongoing technology governance in regulated technology environments; established DevSecOps practices across engineering organizations.

INDUSTRIES SERVED

Software as a Service (SaaS)	**Financial Technology (Fintech)**
Insurance Technology (Insurtech)	**Healthcare Technology**
Payroll and Workforce Technology	**Enterprise Software**
Cloud Services	**Professional Services**

TECHNICAL EXPERTISE

Software Platforms and Architecture: Distributed Systems, Event-Driven Architecture, Microservices, Cloud-Native Systems, Enterprise SaaS Platforms

Cloud and DevOps: Amazon Web Services (AWS), Microsoft Azure, Kubernetes, Docker, CI/CD Pipelines, Infrastructure as Code, High Availability / Disaster Recovery

Artificial Intelligence: Large Language Models (LLMs), AI Workflow Automation, Model Governance, AI Integration and Deployment

Security and Compliance: SOC 2, DevSecOps, Threat Modeling, AML Compliance Systems

EDUCATION & CERTIFICATIONS

Bachelor of Science, Computer Science, New York Institute of Technology

Certifications: Microsoft Certified Professional, MongoDB for Node.js Developers, Sumo Logic Fundamentals