

Brian Taylor

Principal Software Architect | Fractional Architecture as a Service | Founder, Resolving Architecture / Meridian

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SUMMARY

Principal Software Architect with 25+ years delivering architecture judgment for consequential technology decisions across startups, growth-stage companies, and global enterprises. Runs Resolving Architecture, a fractional Architecture-as-a-Service practice covering application, data, security, integration, modernization, and decentralized-systems architecture — paired with Meridian, a product for architecture evaluation, decision capture, and governance that keeps architectural intent visible as AI-assisted development accelerates delivery. Known for reducing risk and building stakeholder buy-in through evaluation, mediation, proof-of-concepts, and prototyping, and for delivering minimal, maintainable, idiomatic systems with the least complexity that meets the goal.

TECHNICAL SKILLS

Architecture & Governance: Enterprise, Software, Application, Data & Security Architecture; TOGAF; Zachman; Architecture Decision Records; Architecture Drift Detection; AI-Assisted Development Guardrails; Fractional Architecture as a Service

Languages & Frameworks: Java, Spring, Android, Python, Rust, Struts, Hibernate, JDBI, Camel, Karaf, CXF, jBPM, Drools

Data & Messaging: Kafka, Apache Storm, Cassandra, ActiveMQ, Neo4j, PostgreSQL, Tika, Lucene, XML/XSD/XPath, JSON/REST APIs

Security & Decentralized Systems: I2P, Tor, Bitcoin, Lightning, OpenPGP, YubiKey, Okta, Decentralized Identity, Peer-to-Peer Systems

Cloud & Tooling: AWS, Linux, IntelliJ, Maven, Git, JProfiler

KEY ACHIEVEMENTS

- Resolving Architecture / Meridian: Built and launched Meridian, a product for architecture evaluation, decision capture, and drift governance, extending the firm's consulting practice into a repeatable, AI-era governance workflow
- 1M5: Founded and shipped a decentralized P2P Android I2P messenger with Bitcoin/Lightning, OpenPGP, and YubiKey integration (open source)
- Segmint: Built a real-time marketing analytics engine handling 12k TPS at \$4k/month AWS spend, opening a new sales channel
- Segmint: Parallelized enterprise data warehouse processing for a >40% throughput increase on the same hardware
- VeDiscovery/Heureka: Reduced unstructured data processing time by >1000% on the same hardware
- Mettler-Toledo (SofTechnics): Delivered an SOA/EDM/EPM product line for ~30,000 grocery/retail stores, earning #1 Innovation Leader recognition
- BCBS Florida: Re-architected real-time claims processing for >200% capacity on the same hardware
- Imagine Learning: Led an AWS-based Education Standards Alignment service from design through delivery
- Provato: Authored a \$20M Phase 1 proposal for Cleveland Clinic's EIM program and an EA program recommendation for Sherwin-Williams' CIO
- VHA: Architected an authentication/authorization system spanning a heterogeneous federal environment
- Bisq: Volunteered architecture support for a decentralized Bitcoin exchange integration

PROFESSIONAL EXPERIENCE

Principal Software Architect | Resolving Architecture LLC

01/2014 – Present

Fractional Architecture-as-a-Service practice for distributed, decentralized, and AI-era systems. Services span evaluation, documentation, design, transition planning, scalability assessment, feasibility studies, prototyping, and decentralization work across Java/Spring, cloud-native, and event-driven stacks. Also built Meridian, a companion product for architecture decision capture, baselining, and drift governance as AI-assisted development increases delivery speed.

- Portfolio: 1M5, Imagine Learning, Bisq, Inkrypt, Dragonsbane, Segmint, InStore Finance, Unchained

Principal Architect | Unchained

01/2026 – 03/2026

Bitcoin collaborative custody, IRAs, and loans platform.

- Delivered an architecture evaluation covering governance direction, role mapping, data classification, reliability recommendations, observability guidance, and domain-boundary recommendations

Founder | Invisible Matrix Services (1M5)

10/2017 – 12/2025

Pure peer-to-peer, open-source I2P messenger with no servers; end-to-end encrypted with Bitcoin/Lightning, OpenPGP, and YubiKey. Built in Java/Android/JavaFX.

Staff Engineer | Imagine Learning

08/2020 – 10/2022

Led design and development of an AWS-based course alignment service, spanning Java, Spring, Python, and project leadership.

Chief Technology Officer | Inkrypt

04/2018 – 10/2019

Led a decentralized, censorship-resistant CDN prototype using Java, I2P, Android, and Neo4j.

Chief Architect | Dragonsbane

10/2016 – 10/2017

Delivered a proof-of-concept and prototype for a decentralized Android impairment-detection app.

Lead Developer | InStore Finance

01/2014 – 10/2016

Built a full-stack Android app, web app, and integrations for in-store loans using Java, Struts, and PostgreSQL.

Principal Data Architect | Segmint

08/2014 – 02/2016

Fixed database scaling issues and built real-time analytics on Kafka/Storm/Cassandra; led enterprise and big-data architecture.

Chief Architect | Heureka (VeDiscovery)

03/2012 – 09/2013

Built remote data-discovery agents for legal collections, achieving over 10x unstructured-data processing improvement.

Senior Architecture Consultant | Provato LLC

10/2011 – 03/2013

Consulting engagements including VeDiscovery (>10x performance), a Cleveland Clinic EIM proposal, and an EA program recommendation for Sherwin-Williams.

Chief Architect | Mettler-Toledo (SofTechnics)

03/2007 – 10/2011

Delivered an SOA/EDA/BPMS/BRMS product line for ~30,000 retail stores using TOGAF/Zachman and jBPM/Drools/ServiceMix; set a 15-year architecture roadmap.

Solutions Architect – SCM | BlueCross BlueShield of Florida

08/2006 – 11/2006

Re-architected real-time claims processing for >200% capacity; evaluated SOA and BRMS platforms.

Systems Architect | Herae

03/2006 – 08/2006

Resolved a critical scalability issue and assisted with the technology roadmap.

Security Architect | Veterans Health Administration (VHA)

10/2004 – 03/2006

Built authentication/authorization prototypes and a pilot across a heterogeneous environment using SAML/XACML/RBAC/PKI.

Integration Architect | First American Title

05/2003 – 10/2004

Led a hub-spoke-to-ESB transition and built an automated test harness.

Jr. Software Architect | Epic Cycle Interactive

02/2002 – 05/2003

Built a custom NFL ETL pipeline and a CMS product line.

Founder / CTO / Jr. Architect (Various Roles) | AtomTribe, StyleLogic, Upslide, WebDev Solutions

1999 – 2002

Built voice apps, scalability fixes, e-commerce, ML performance work, and web applications across multiple ventures.

Nuclear Reactor Operator (NCO) | US Navy

09/1991 – 08/2000

Operated nuclear reactors aboard the USS Theodore Roosevelt and trained junior operators; transitioned to Java development during shore duty.