Steven B. Tomlinson

Full-stack Software and Database Engineer

📍 Las Vegas, NV | steven.tomlinson@gmail.com | github.com/steven-tomlinson | steventomlinson.dev

---

🔷 Summary

Innovative and execution-driven technology leader with 20+ years of experience architecting scalable, secure platforms across AI, fintech, civic tech, and blockchain. Proven ability to take products from 0→1, build and lead high-impact technical teams, and align vision with execution. Deep expertise in LLM integration, decentralized infrastructure, multimodal data pipelines, and full-stack systems design. Currently building AI-powered SaaS products and protocols for decentralized custody, identity, and verifiable data workflows.

🔷 Core Skills

- **Full Stack Engineering:** C#, ASP.NET Core, Blazor, Python, Node.js, React, SQL Server, Azure, Docker, REST & GraphQL
- **AI/ML & Data:** LLM fine-tuning, RAG pipelines, multimodal data architecture, vector search (Pinecone/Weaviate), Claude, GPT-4
- **Infrastructure & DevOps:** Azure, Linux VMs, CI/CD, Terraform, API-first development, SOC2-readiness
- **Leadership & Product:** CTO/Founder experience, Agile team management, cross-functional collaboration, investor-facing strategy
- **Blockchain & Web3:** Smart contract integration (EVM/Solidity), Stellar-based custody & token protocols, IPFS/IPNS distributed storage

---

◆ Recent Projects

Founder & Architect – Lockb0x Protocol + Pakana | 2022–Present

Designed and implemented a decentralized custodial infrastructure for digital assets and verifiable work product. Built interoperable identity frameworks, smart contract integrations, and tokenized escrow systems across AI, civic tech, and fintech sectors.

- Architected and deployed Lockb0x Codex: a decentralized IPFS-based content registry linked to blockchain transaction anchors. Researched, designed, specified, and published with ChatGPT and Github CoPilot.
- Developed Stellar Razor & Blazor Components to integrate Web3 functionality into .NET web applications. Used ChatGPT for documentation.
- Led design of agentic AI tools for compliance tracking, deliverable validation, and user-guided workflows.
- Built Panhandler.chat, a personal fundraising assistant using open-source LLMs and custom inference pipelines.
- Designed multimodal RAG workflows and crypto-gated access systems for secure knowledge sharing.

Technical Advisor / Consultant (Freelance) | 2020–Present

Delivered technical solutions for small businesses, civic tech startups, and fintech orgs seeking custom backend and integration systems.

Experience

- 2025 – Working on **Node_Zero** (personal experimental project) AI storytelling platform with gated multimodal content.
  - https://node-zero.xyz
- 2022 – 2025 – Building Pakana.net, a Web3 Title and IP Asset Lien/Release//Title Management SaaS Application utilizing decentralized ledgers and storage, smart-contract technologies, multi-signature accounts, work-order management, invoice, review, payment approval, and disbursements via cryptocurrency or traditional payment rails through Stripe.
  - https://dev.pakana.net
- 2024 – Architected enterprise application strategy for family office's holding company. Designed architecture and technology specification for M365, internal HR, Payroll, Sage INTAACT, Pro-Core, and M365 integration (reviewed D365, NetSuite, QuickBooks Pro).
  - Confidential (private family office)

- 2023 – Designed, proposed, and awarded a grant to build the **Stellar Identity Framework**, enabling blockchain identity, ledger operations, and federated identity resolution via Razor Pages using the Microsoft Identity Platform 2.0, OAuth, and cryptographic keypairs.
    - https://github.com/lockb0x-llc/Stellar-DotNet-Identity-Framework
- 2022 – 2023 – Designed, proposed, and awarded a grant to develop the Stellar Razor Component Library, a set of UI/UX components designed to abstract blockchain operations into DotNet Razor UI components.
    - https://github.com/lockb0x-llc/SDEX-Razor-Components
    - https://github.com/lockb0x-llc/Pakana-Stellar-Razor-Components
- 2018 – 2022 - Developed Three Lock Box, for Three Lock Box LLC, a lien-release and disbursement application used internally at that company and by its customers. Built with DotNet Razor, PostgreSQL, and deployed to Azure App Service via GitHub CI/CD. Migrated all existing customers, data, and documents to new system with no interruption in service. Departed company due to IP dispute and settled lawsuit to build Pakana and work on freelance projects.
- 2017 – Optum (United Healthcare) Enterprise Business Intelligence Architect. Delivered several MSB and Excel-based SharePoint dashboard components.
- 2015 – 2016 – Alogent – Core banking software GL and Accounts migration and ETL engineer. Analyzed and documented legacy core banking system processes and data. Developed specifications and requirements then built enterprise data migration environments for credit unions and banks to implement Alogent's Azure DotNet Core Banking Software.
- 2015-2016 - Elevate Digital – Opened and managed Las Vegas satellite office for Chicago-based technology company. Worked with hardware manufatureres and component hardware vendors to develop a demonstration "smart-city" kiosk system across Caesars Properties on the Las Vegas Strip. Designed and specified software SDK and private network abstraction layer to integrate networked touch-screen and camera-equipped kiosks in public plaes to use as a property directory, restaurant reservation, and venue event ticket purchasing kiosk, and social sharing features (post a selfie to oyur Facebook or Twoitter account). Also designed and developed a self-service hotel check-in, reservation upgrade, and magnetic key dispensing kiosk. These systems were deployed across The Linq, Paris, Bally's, and Caesers Palace propertie's public spaces.
- 2013 – 2015 - CPI Card Group – Lead distributed team of engineers to develop "Design Your Own Card" white-label portal application used by Starbucks, AmEx, Caesars, MGM, and many othe companies to design, order, and distribute custom payment/debit, magnetic card-key, gift cards, and other applications for credit card type plastic cards manufacture on-demand, at scale, across a network of manufacturing and distribution centers in Las Vegas, Minneapolis, Denver, Ft Wayne Indiana, and Liverpool England.

Previous Engagements

- **2007-2009 URS (E.G&G.) – Enterprise Database Administrator. Migrated several disparate stand-alone legacy enterprise applications (many custom developed) in a high-security sensitive national defense-sensitive environment (TS-SCI). Designed new enterprise MS-SQL Server and application database architecture. Designed and developed several custom ETL applications to migrate data to new enterprise Costpoint Enterprise Accounting system and related HR and operational support application migrations in cooperation with the IT department, HR, and various operational divisions and stakeholders.**
- **2005 – 2007 – Opened and operated a beachfront breakfast and barbecue café in Laie, Honolulu, Hawaii.**
- 2002 – 2004 - Worked with a team of retired engineers and the Department of Veteran Affairs in a federal technology transfer program. Highlights include porting the VA's VistA/CPRS Electronic Healthcare Records from its proprietary MUMPS implementation to OpenVista on open-source GT.M and deployed it to the LBJ Tropical Medical Center in Western Samoa.
- Developed image-capture switch and software for an early video otoscope for the Department of Veteran Affairs.
- 2001 - Designed, developed, and built a city-wide WiFi network in Honolulu using early (2MBps) WiFi technology, sold to Oceanic Time-Warner.
- 1998 – Designed and implemented a high-speed airline ticket scanning, OCR, and data validation system for Hawaiian Airlines.
- 1992 – Developed a Correspondence and Contact Management Application for The Governor's Office of Hawaii using Visual Basic 3 and an MS-Access (MDB) database file.
- 1990 – 1995 - RadioShack Tandy Computer Center Assistant Manager, Honolulu, HI

🔷 Education & Credentials

- **Microsoft Certified Professional (MCP)**
- **Google AI for Leaders Certification**
- **DeFi Specialization – Duke University** (Coursera)
- **Nevada Escrow Agent Pre-Licensing Education: Escrow Agent Essentials**
- Ongoing continuous learning in generative AI, blockchain, data governance, and secure protocol development.