

# Samuel Rauch

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## Experienced Solutions Architect | IT Director | Certified Blockchain Professional

Technologist with 20+ years of professional IT experience delivering technical solutions with a unique ability to bridge the technical and non-technical audience. Principles-focused and skilled at creating powerful outcomes and sustaining thought leadership and industry trend knowledge.

### PROFESSIONAL EXPERIENCE

#### Enterprise Architect – Digital Transformation | Florida Blue – Blue Cross Blue Shield | February 2020-Present

- Lead the design and architecture direction of enterprise solutions for digital transformation on initiatives focusing on Conversational AI, Virtual Assistants and Smart Interactive Voice Response.
- Collaborate with domain-specific development teams on initiatives driving adoption of enterprise events Kafka framework, Red Hat Decision Manager Rules Engine platform consisting of OpenShift Microservices-based computing facilities, Netflix Conductor Workflow orchestration and enterprise data platform consisting of ingestion framework, compute framework, Redis, S3, MongoDB, Postgres, IBM Sailfish Analytics and DB2.
- Collaborate with domain-specific architects designing the architecture for the enterprise orchestration/event engine leveraging described enterprise assets.
- Enterprise Architect for *Corporate Innovation Challenge* winning project, delivering next-generation AI-powered business intelligence to the enterprise salesforce using TensorFlow.

#### Owner | SSR Technologies, LLC | 2017-Present

- Brought *Pivot.City Blockchain Network* to market. Leveraging multi-organization, channel, and node Hyperledger Fabric blockchain network and secure communications platform. Responsible for all aspects of delivering the client's product roadmap and vision. (<https://pivot.city>)
- Delivered and supporting RESTful API-based solutions for several clients in the healthcare industry.
- Implementing and supporting multiple data consolidation and process automation projects for multiple clients.

#### Director of Development and Blockchain Solutions | SharedLABS, Inc./RiseIT Solutions | January 2018-February 2020

- Directed all operational aspects of several offshore software application development teams on multiple, diverse projects. Responsible for clear, effective, and timely internal and external communications, including creating statements of work, proposals, project plans, budgets, resources, staff, and schedules.
- Lead Architect for an Ethereum-based protocol providing chain of provenance and event-driven functionality for digitized assets via a smart contract.

#### Director of Operations and Technology | Option Research and Technology Services, LLC | 2002-2017

- Co-Founded and directed all technological and operational aspects of the production and distribution of proprietary trading research data and metrics, while ensuring business continuity in a dynamic live market environment for clients including The Chicago Board Options Exchange, NASDAQ, Wells Fargo, TD Bank, and Interactive Brokers.
- Designed the organization's primary data model.

#### PREVIOUS WORK HISTORY: Market Maker/Technology Manager | Changes, LLC, 1999-2002

### EDUCATION, CERTIFICATIONS & AFFILIATIONS

**Advisory Board Member - Developer Relations**, Blockchain Institute of Technology

**Founder**, *Blockchain Professionals and Cryptocurrency Enthusiasts* Professional Networking Group

**Member**, Linux Foundation and the Hyperledger Project

**Certifications**, Certified Blockchain Professional | MySQL Administration | Local Area Networks Certification, DePaul University

**Author**, *Volatility Trading Demystified for Retail Investors* | *Understanding Bitcoin Investing with GBTC: A Simple, Effective Alternative to Owning Bitcoin Using Conventional Investing Methods*

**Bachelor of Science**, University of Florida

### TECHNICAL APTITUDE

Blockchain stack, smart contracts, protocol fundamentals, cryptography fundamentals, Agile project methodologies and tools, DevOps fundamentals, RDBMS, NoSQL DBMS, RESTful APIs, Kafka, security best practices, High Availability Clustering, cloud and hybrid cloud, infrastructure design, AWS, OpenShift, Netflix Conductor, IaaS, VMWare ESXi, Microsoft Hyper-V Server, Windows, Unix (BSD), Linux and OS X; **Programming Languages and Standards**: Solidity, Node.js, C#, VB.net, PHP, T-SQL, Object Pascal, VBA, EDI X12 837, JSON, YAML