
Chief Technology Officer / Solutions Architect

Over 25 years' experience spearheading pioneering and transformative technical solutions.

Exceedingly accomplished entrepreneur with a sterling track record of driving cutting-edge product design and systems architecture development. History of envisioning breakthrough technologies and delivering groundbreaking products for multiple landmark corporations. Passion for directing intricate operations using open-source tools, artificial intelligence (AI), computational linguistics (CL), natural language processing (NLP), machine learning (ML), and an eclectic range of next-generation solutions. Repeated success achieving multimillion-dollar cost savings, filing patents, and delivering exemplary client service. Currently generating product code and features using A/I.

- Deployed A/I to automatically generate product code
- Utilized ChatGPT to generate business plans for Clients
- Product Management / Enterprise Architecture
- Agile Software Development Life Cycle (SDLC)
- Product & Client Integration
- Software Business Acquisitions
- Data Center Consolidations
- A/I Product Creation and Sale

Career Experience

Media Bite, Washington, DC

Media Bite is positioned the way Stripe is positioned for online commerce or Visa is positioned for cards: not a media brand, but the rails underneath. The architecture treats the URL itself as the payment surface, letting any participating publisher accept a single-article purchase with one tap, no per-site account, while the consumer's identity stays isolated from the publisher network.

FRACTIONAL CHIEF TECHNOLOGY OFFICER (CTO), 05/2026 to Present

Leading engineering at Media Bite, a neutral micropayment infrastructure platform for digital content — closed-loop authorization at the protocol layer, building toward a secure public launch.

- Building CMS plugins along with a platform and ecosystem to facilitate micro purchases directly from publishers.
- Eliminate the need for subscriptions.
- Utilizing A/I to automatically generate code for the product with Replit deployed on AWS.

One Bridge by One Stone Capital, Washington, DC

One Bridge is a unique fintech ecosystem that is dedicated to connecting Minority Owned Businesses (MBEs) in the US and South Africa to banks and investors. Our platform addresses historic and current barriers facing minorities and small businesses from full and fair participation in the capital marketplace (Debt, Private Equity and Venture Capital).

FRACTIONAL CHIEF TECHNOLOGY OFFICER (CTO), 11/2022 to Present

Researched and deployed brand new A/I capabilities to get product to market with very few development resources. Unique understanding of how to deploy brand new tools to get product to market quickly and with little to no resources.

- Built a fintech platform and ecosystem to connect SMMEs in the US and South Africa to funding partners.
- Deployed ChatGPT to generate business plans automatically for our Clients.
- Utilized A/I to automatically generate code for the product with Lovable deployed on AWS.

SPROCKIT, Washington, DC

SPROCKIT created a new product and category. Leveraging AI/ML/NLP we created the first Global Innovation Marketplaces deploying vectorized search combined with faceted filtering to match large corporate investors with smaller company's products that solve their pain points.

FRACTIONAL CHIEF TECHNOLOGY OFFICER (CTO), 8/2020 to Present

Leveraged unique understanding of A/I capabilities to create a unique search product to identify exact matches in searches for investors and investments.

continued...

- Leading staff of full stack developers and AI/NLP/ML engineers.
- Created and deployed an A/I (kNN means) vectorized search combined with faceted filtering to create a unique search experience for our users.
- Managed production hosting facilities on AWS, data providers, and contracts.

Nexia Group Holdings, Inc, Washington, DC

Nexia accelerates early-stage data and technology companies focused on sustainability. By bridging gaps left by traditional incubators and venture capital, we offer a unique, long-term partnership model combining strategy, execution, and capital. Our approach enables companies to scale effectively while creating lasting value for shareholders.

ADVISOR AND SENIOR CONSULTING PARTNER, 10/2023 to Present

Balanced client contacts defining in-depth strategies solving their pain points. Held direct oversight of sales process and projects.

- Contributed to business strategy and execution plans.
- Analyzed products and markets on behalf of the business.
- Managed client interactions and deployments.

CVP (Customer Value Partners), Fairfax, Virginia

Established IT service management leader specialized in forging strategic partnerships with divergent government agencies and healthcare providers.

LEAD TECHNOLOGIST (PROJECT CTO / ARCHITECT), 7/2016 to 7/2020

Leveraged diverse technical expertise in defining in-depth strategies for multitenancy architectural design. Held direct oversight of multipronged Department of Homeland Security (DHS) projects, possessing Confidential and Secret Security Clearances.

- Specifically recruited from Phase 5 Group by CEO to skillfully define and seamlessly execute far-reaching DHS-based initiatives and Department of State (DoS) modernization-focused RISE project.
- Set new standard for excellence in building API solutions for MuleSoft's Anypoint Platform and launching Amazon Web Services (AWS) cloud-hosted systems for DHS-ICE Student and Exchange Visitor Program (SEVP).

Phase 5 Group, Vienna, Virginia – **CHIEF TECHNOLOGY OFFICER (CTO)**, 8/2013 to 6/2016

SEP Connect, LLC, Vienna, Virginia – **President & Chief Operating Officer (COO)**, 03/2008 to 07/2013

Education & Credentials

University of Oklahoma, Norman, Oklahoma - **BACHELOR OF SCIENCE IN COMPUTER SCIENCE - NCA All-American** ▪ *Full Academic Scholarship* ▪ *Dean's Honor Roll*

University of Texas at Arlington, Arlington, Texas - **Graduate-Level Computer Science Coursework (Pursuing Master's Degree)** ▪ *Dean's Honor Roll*

University of Phoenix (Online) - **Graduate-Level Technology Management Coursework (Pursuing MBA)** ▪ *Dean's Honor Roll*

Security Clearances: Confidential, Secret

Patents Filed:

Match-based Employment System and Method); Learned Behavior System and Method); Classifying Content System and Method; Context Matching System and Method

Technical Proficiencies: Infrastructure as a Service (IaaS); Platform as a Service (PaaS); Software as a Service (SaaS); Heroku; Salesforce; Ubuntu; PostgreSQL; CircleCI; Virtualenv; AWS; Azure; GCP; Foreman; GitLab; GitHub; Logplex; MemCachier; New Relic; PG Backups; Papertrail; SendGrid; Oracle; SQL Server; IBM Db2; Solr; PostgreSQL; Python; Django; Java; JavaScript; AngularJS; ReactJS; C; C++; C#; Ruby on Rails; HTML; CSS; MuleSoft Anypoint, ChatGPT, Vercel, Supabase