

PROFILE

Founder-led software architect and engineer with more than 20 years of hands-on experience turning complex ideas into scalable products. Leads discovery, product design, software systems architecture, development, AI integration, and cloud delivery. Brings senior technical judgment without stepping away from the code.

CORE EXPERTISE

SOFTWARE ARCHITECTURE	SaaS platforms, APIs, data flows, integrations, security, observability
FULL-STACK ENGINEERING	Python, Django, Flask, FastAPI, TypeScript, React, Vue, Node.js
AI SYSTEMS	Generative AI, agentic workflows, MCP, RAG, vector search, model integration
CLOUD & DATA	AWS, Google Cloud, Azure, Docker, Kubernetes, CI/CD, PostgreSQL, MySQL

SERIOUSPIXEL | FOUNDER, SOFTWARE SYSTEMS ARCHITECT, DESIGNER & ENGINEER | 2002-PRESENT

Leads a software product and consulting studio that partners directly with clients while developing and launching original platforms.

TASKED WITH	NUCLEUS IQ
Founder, software architect, product designer, and primary developer of a calm, intelligent planning platform for homeschool families. Includes curriculum import, adaptive scheduling, connected records, and whole-family planning.	Founder, software architect, product designer, and primary developer of an experimental local-first personal intelligence. Built around inspectable memory, permissioned tools, human-governed research, versioned learning, and owner control.

- Lead client discovery, product definition, software architecture, interface design, engineering, deployment, and ongoing improvement for custom software and SaaS platforms.
- Design AI-assisted workflows for content transformation, automation, research, document processing, and operational decision support.
- Build secure cloud infrastructure, APIs, databases, mobile applications, and CI/CD pipelines across AWS and Google Cloud.

RECENT EXPERIENCE

Upwell

Senior Full-Stack Software Engineer | 2025 - 7 months - Remote

- Designed production software for complex logistics and transportation workflows with Next.js, React, TypeScript, and Python.
- Integrated AI for bills of lading, proofs of delivery, freight invoices, rate optimization, and carrier matching.
- Built Descartes TMS and QuickBooks integrations; led software architecture discussions and mentored engineers on AI integration.

GroundCloud / Descartes

Senior Full-Stack Software Engineer | 2022-2025 - 2.5 years - Remote

- Developed a high-traffic delivery SaaS platform used by FedEx and other delivery teams with Python, Django, JavaScript, and Vue.
- Improved performance, scalability, security, test coverage, CI/CD, production reliability, planning, and code review.

PROFESSIONAL EXPERIENCE

BringFido

Senior Full-Stack Software Engineer | 2021-2022 - 1.5 years - Remote

- Developed a high-traffic, PCI-conscious travel booking platform and modernized its Python and Django foundation.
- Integrated Google authentication, Expedia, Booking.com, and AWS services including Elastic Beanstalk, CloudSearch, and API Gateway.

BriteCore

Full-Stack Software Engineer | 2018-2022 - 3.8 years - Remote

- Built secure insurance SaaS capabilities with Python, Django, Flask, and Vue.
- Created an API demonstration platform, secure token workflows, ETL prototypes, mock integration services, and automated test infrastructure.
- Supported proof-of-concept work, RFI/RFP responses, and AWS environments using CloudFormation, Service Catalog, and CloudFront.

CBG / CFG / CRMG

Senior Technology Specialist / Project Manager | 2010-2013 - 3.3 years

- Led cloud migration of email, databases, backups, and phone systems across seven regional offices.
- Designed corporate web, intranet, activity-tracking, and support-ticketing systems using Python, PHP, JavaScript, and MySQL.
- Supported more than 210 employees and agents while managing infrastructure, security controls, training, vendors, and technology projects.

SELECTED TECHNOLOGY

LANGUAGES	Python, JavaScript, TypeScript, SQL, PHP, Java, HTML, CSS
FRAMEWORKS	Django, Flask, FastAPI, React, React Native, Vue.js, Node.js
PLATFORMS	AWS, Google Cloud, Azure, Docker, Kubernetes, GitHub Actions, Nginx, Redis
DATA & AI	PostgreSQL, MySQL, MongoDB, DynamoDB, Firebase, Supabase, LangGraph, MCP, RAG, OpenCV

ENTREPRENEURIAL & CREATIVE WORK

Daily Dollar Finances - Founder of a financial education platform and podcast focused on simple, actionable steps toward financial independence.

Super Savers - Author and publisher of a practical financial-literacy book for parents and children.

Resonate the Word - Principal songwriter and producer across more than 1,300 original songs; 1,158 currently published across 52 releases.

Resounding Faith Music - Founder of an independent record label for Scripture-rooted music and creative projects.

BrickViews.tv - Co-creator of a father-and-son website and YouTube channel for brick-set reviews and themed diorama worldbuilding.

EDUCATION & RECOGNITION

Southern New Hampshire University - Bachelor of Arts in Information Technologies

Summa cum laude, 4.0 GPA - Outstanding Graduate Award - President's List every semester - National Society of Leadership and Success