

Daniel Tofan

CTO & VP Engineering | AI-Native Products | Healthcare SaaS | HIPAA/SOC2

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PROFESSIONAL SUMMARY

Engineering executive with 15+ years scaling SaaS platforms from early-stage startups to Fortune 500-serving products. As VP of Engineering at CareValidate, scaled a healthcare platform **100x — from 4K to 400K+ users in under one year** — while achieving HIPAA, SOC2, and GDPR compliance. Currently co-founding AI-native products across adtech, edtech, and SaaS. Combines strategic vision with deep hands-on technical execution. Georgetown University PhD in Chemistry.

KEY ACHIEVEMENTS

- **100x Platform Scale:** Led CareValidate's engineering from 4K to 400K+ users in 12 months, driving Fortune 500 client signings and 25% annual revenue growth.
- **HIPAA/SOC2/GDPR:** Architected and maintained compliance across a mission-critical healthcare SaaS platform serving enterprise clients.
- **30% Infrastructure Cost Reduction:** Re-platformed monolithic systems onto GCP microservices, improving stability and slashing cloud costs.
- **50% Faster Release Cycles:** Implemented Agile/Scrum practices that doubled release frequency and accelerated time-to-market.
- **Team Growth 2.5x:** Scaled engineering org through hiring, onboarding programs, and mentorship while maintaining culture and quality.
- **AI Product Builder:** Co-founded and shipped AI-native SaaS products integrating OpenAI, Anthropic, Replicate, GCP microservices, and diffusion models.

PROFESSIONAL EXPERIENCE

Vice President of Engineering

2021 – 2023

CareValidate | Atlanta, GA (Remote)

- Scaled health-tech SaaS platform 100x (4K → 400K+ users in 12 months) leading a 12-person cross-functional team across multiple time zones.
- Signed multiple Fortune 500 clients and drove 25% annual revenue increase through strategic engineering execution.
- Architected GCP microservices platform reducing infrastructure costs by 30% and significantly improving system stability.
- Achieved and maintained HIPAA, SOC2, and GDPR compliance through security audits, penetration testing, and robust access controls.
- Built sophisticated BigQuery data pipelines and 30+ automations enabling advanced BI and real-time organizational insights.
- Grew engineering org 2.5x; implemented Agile/Scrum processes resulting in 50% increase in release frequency.

Co-Founder & CTO

Oct 2023 – Present

OmniTrain.ai | Remote

- Architected AdCraft, an AI-driven ad creative SaaS platform using GCP microservices, OpenAI, Anthropic, DALL-E 3, and Replicate.
- Designed scalable backend orchestration with Nuxt 4, Node.js microservices, and Stripe payment integration.
- Implemented advanced AI techniques including few-shot learning, prompt injection defense, and custom fine-tuning via Ollama.

Founder

Oct 2025 – Present

CodeCrank.ai | Richmond, KY

- CTO-led MVP studio delivering production-ready SaaS applications in 2–4 weeks with full code ownership.
- Launched portfolio of live demos achieving 100/100 PageSpeed scores globally via edge computing architecture.

Director of Engineering

2021

Open Up Resources | Portland, OR (Remote)

- Developed comprehensive onboarding program reducing time-to-productivity by 30%; aligned engineering priorities with organizational goals.

Team Lead, Platform Configuration

2020 – 2021

Human Care Systems | Boston, MA

- Led senior engineering team building mission-critical admin web app (Vue.js, Node.js, MongoDB); implemented GitFlow and CircleCI CI/CD.

Senior Software Engineer

2018 – 2020

Data Recognition Corporation | Maple Grove, MN

- Built secure cloud applications on AWS microservices; achieved 100% unit test coverage on 30+ UI components; reduced regression errors 30%.

Senior Software Engineer / Principal Engineer

IDEA Education · Vital Text Systems · Lexmark International | 2011 – 2018

- Delivered SaaS platform features serving 200+ academic institutions; built test automation framework adopted by 450+ engineers at Lexmark.

TECHNICAL SKILLS

AI / ML:	OpenAI, Anthropic, Claude, GPT-4+, DALL-E, Stable Diffusion, Ollama, Flowise, LangChain, RAG, Fine-Tuning, Prompt Engineering
Cloud & Infra:	GCP, AWS (EC2, Lambda, API Gateway, S3), Cloudflare, Firebase, Supabase, Docker, CI/CD, IaC, Microservices, Edge Computing
Languages:	JavaScript, TypeScript, Node.js, Python, Java, SQL, Groovy
Frontend:	Vue.js, Nuxt.js, Angular, Quasar Framework, HTML5, CSS3, REST, GraphQL
Databases:	PostgreSQL, MongoDB, MySQL, Firestore, BigQuery
Compliance:	HIPAA, SOC2, GDPR, OWASP Top 10, Penetration Testing, Secure Coding
Leadership:	Strategic Planning, Team Building, Roadmapping, Stakeholder Management, Agile/Scrum/Kanban

EDUCATION & CERTIFICATIONS

Ph.D. & M.Sc., Chemistry — Georgetown University, Washington DC | 2001 | Publications: *Computer Technology for Chemical Educators*; *General Chemistry Workbook*

Certifications: AWS Certified Cloud Practitioner · HIPAA Security & Awareness · GCP Big Data & ML Fundamentals · Hands-on Data Science for Healthcare · AI Foundations: Prompt Engineering & ML