

Tyler Clark

Software Architect · VP of Engineering · AI Engineer

Tampa, FL tyler@tylerclark.com 352-256-2386 linkedin.com/in/tylerclark tylerclark.com

Software architect and engineering leader with 28+ years building web, mobile, and AI products at scale: high-traffic sites at The New York Times, nine years at Salesforce (co-inventor of Lightning Web Components), and org-wide architecture at SurveyMonkey. Co-founded Umbrella AI (acquired 2024); now founder and CEO of Clarky AI, an omnichannel AI agent platform, alongside Clark Interactive, an AI + web consultancy.

EXPERIENCE

Founder & CEO, Clarky AI

Tampa, FL · Jan 2025 – Present

- Founded and lead an omnichannel AI agent platform unifying chat, voice, SMS, email, forms, CRM, calendar booking, and a website builder in a single dashboard, deployable in minutes.
- Architected a HIPAA-compliant, multi-model AI stack (OpenAI, Anthropic, Google) with high-performance GraphQL schemas, agent guardrails, human takeover, and 44+ languages.

Tech: Vercel AI SDK & Gateway, React, React Native, Next.js, Supabase, GCP, PostgreSQL, TypeScript, ElevenLabs, Twilio

Founder & Principal Architect, Clark Interactive

Tampa, FL · May 2024 – Present

- Boutique consultancy delivering enterprise-grade web platforms, native mobile apps, and PWAs for global clients; principal engineer on complex engagements.
- Led LLM-powered automation and AI feature development; work featured in USA Today and on ABC and Fox affiliates.

Tech: React, React Native, Next.js, Supabase, Firebase, AWS, GCP, Python, PostgreSQL, TypeScript

Co-Founder & Founding Engineer, Umbrella AI

Mar 2022 – Jul 2024

- Co-founded an AI-powered platform, growing the team to 15+ employees and landing major enterprise clients including AAA; acquired December 2024.
- Led engineering, product, hiring, and technical strategy; built real-time AI chatbot systems with LangChain, OpenAI, and Claude.

Tech: React, React Native, Vue, Supabase, Firebase, Vercel, TypeScript, Python, LangChain, OpenAI

Principal Engineer, Southwest Airlines

Jan 2024 – Jul 2024

- Designed GateAI, an AI platform optimizing aircraft gate assignment and taxiing: reduced taxi time, gate congestion, and crew timeout risk using passenger, crew, and delay data.
- Architected a micro-frontend system on AWS; authored the full system architecture and Kubernetes/Terraform deployment strategy.

Tech: AWS, Python, React, Kubernetes, Terraform, AI optimization models

Software Architect, GetFeedback at SurveyMonkey

Feb 2021 – Mar 2024

- One of three architects across the entire engineering organization; set technical direction for the GetFeedback customer-experience platform.
- Led the CRM Integrations team; enhanced the Salesforce integration, increasing signups by 20% for mutual customers.

Lead Software Engineer, Salesforce

Apr 2012 – Jan 2021

Software Engineer (2012–14) → Senior Software Engineer (2014–18) → Lead Software Engineer (2018–21)

- Built the internal Agile tooling (GUS), SCRUM walls and Kanban boards used daily by thousands of engineers and PMs, scaling productivity systems as Salesforce grew from 7,000 to 70,000 employees.
- Led the Lightning Components team; co-invented Lightning Web Components (LWC) and the Lightning Design System.
- Built Salesforce Surveys natively on the platform and helped launch Salesforce1; sole UI/UX designer for all internal productivity tools.

Senior Software Engineer, The New York Times · high-traffic dynamic websites for one of the world's largest news publishers

2002 – 2006

Contract Engineer, Kai Concepts / Jetfoil · real-time IoT telemetry and control app for the Jetfoil eFoil (Bluetooth LE, RF, Wi-Fi, cellular)

Jan 2020 – Present

SKILLS

AI & LLM Engineering

OpenAI · Claude · LangChain · Whisper · AI agents & function calling · embeddings & vector stores · RAG · fine-tuning · TTS / STT

Backend & Cloud

Python · Node.js · PostgreSQL · MySQL · GraphQL · REST · AWS · GCP · Kubernetes · Docker · Terraform

Frontend & Mobile

React · React Native · Vue · Next.js · TypeScript · JavaScript · LWC · Swift · Objective-C · PWAs

Leadership & Ops

Technical roadmaps · architecture reviews · Agile / Scrum · hiring & mentoring · CI/CD (GitHub Actions) · Sentry · Splunk · Figma

SPEAKING & MEDIA

- Dreamforce speaker (2014, 2016, 2017, 2019, 2020); 2026 AI speaking circuit (tylerclark.com/ai-speaker-tampa); host, Clarky AI Workshop at Embarc Collective, Tampa.
- Featured in USA Today, the Tampa Bay Business Journal, and Tampa Bay Business & Wealth Magazine; TV appearances on ABC and Fox affiliates.

CERTIFICATIONS & ACCOLADES

- Salesforce Certified Platform Developer I & II · AWS Certified Solutions Architect
- 7× winner, Salesforce company-wide Hack Day competitions

EDUCATION

University of Florida, B.S. Computer Information Science & Engineering (CISE)

1998 – 2002