

Tyler Cosner

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PROFESSIONAL SUMMARY

Versatile software engineer with over 11 years of experience designing, building, and scaling production web applications in startup and high-growth environments. Strong background in system architecture and a track record of shipping customer-facing products end-to-end.

SKILLS

Application Engineering: JavaScript, TypeScript, Python, React, Next.js, Node.js, Express, Django, FastAPI, GraphQL, REST APIs, HTML, CSS, SASS, Jest, React Testing Library

Systems Architecture: Domain-Driven Design (context mapping, aggregate modeling, domain events), Distributed Systems, Asynchronous Messaging, API Design, Event-Driven Architecture, Real-Time Systems

Cloud & Infrastructure: AWS (EC2, EKS, Lambda, RDS, S3, DynamoDB, SNS/SQS/SES, IAM), Kubernetes, Helm, Terraform, Terragrunt, Docker, CI/CD (GitHub Actions, CircleCI), Linux

Data & Storage: PostgreSQL, Redis, Relational Data Modeling, Caching Strategies

Applied AI: LLM Integration (OpenAI, Anthropic)

EXPERIENCE

Senior Full-Stack Engineer, *Universe Exploration Company*

Jan 2022 - Oct 2024 | Remote

- Delivered customer-facing products and internal web applications at Universe, a Y Combinator-backed startup (YC W18) and 2023 Apple Design Award winner.
- Drove adoption of foundational React and Next.js architecture patterns, shaping front-end direction and establishing consistent practices that improved scalability, maintainability, and delivery speed.
- Served as technical lead on initiatives to deliver and evolve both customer-facing features and core platform systems including, application state management, payments, authentication, analytics, PWA, and major re-engineering efforts to improve scalability, monitoring, reliability, and developer velocity.
- Developed a no-code website editor and rendering engine capable of deploying fully custom websites, automatically deployed to creator domains; backed by reusable UI component libraries and analytics insights.
- Engineered back-end microservices with Node.js, Express, and PostgreSQL to support both real-time and asynchronous feature workflows.
- Collaborated closely with product managers and designers in Figma to prototype and refine user flows, translating designs into accessible, scalable interfaces .

Founding Software Engineer, *World 50*

Aug 2018 - Dec 2021 | Remote

- Founding engineer (3rd hire) responsible for defining early technical architecture and engineering practices while launching a customer-facing social media application for Fortune 500 executives.
- Owned the full lifecycle from design through implementation across front-end, back-end, and cloud systems, accelerating delivery in a startup environment.
- Led the design and architecture of distributed backend services with Node.js, GraphQL, PostgreSQL, and Redis, powering real-time messaging, user feeds, and search.
- Built and scaled a unified React Native web and mobile experience, enabling simultaneous deployment to iOS, Android, and web from a shared codebase.

- Orchestrated multi-environment CI/CD pipelines with CircleCI to automate build, test, and deploy workflows across web, iOS, and Android; integrated Fastlane for streamlined mobile release cycles, and established secure secrets management and environment configuration.
- Conducted comprehensive full-stack testing (unit, integration, and end-to-end) using Jest, React Testing Library, and Node.js microservices.

Software Developer II to Senior Software Engineer, TSYS

Mar 2017 - Aug 2018 | Atlanta, GA

- Developed a drag-and-drop email builder using React, AWS, MySQL, and Java to empower non-technical teams to design and send responsive campaigns.
- Crafted banking rewards SaaS applications for major financial institutions with a CMS for managing assets across web and mobile.
- Mentored junior developers through code reviews and pair programming.

Full-Stack Software Engineer, Datalink Software

Oct 2015 - Feb 2017 | Tampa, FL

- Built HIPAA-compliant EHR, patient portal, and billing systems for healthcare organizations using JavaScript, SQL, and modern HTML/CSS with SCSS preprocessing.

EDUCATION

- **Master of Science in Software Engineering**, *Western Governors University*, Graduated Jan 2026
- **Bachelor of Science in Business Management**, *University of Central Florida*, Graduated Aug 2011

CERTIFICATIONS

- **Amazon Web Services - Solutions Architect Associate (SAA-C03)** 2025

AWARDS

- **Apple Design Award**, Inclusivity (2023)

PROJECTS

AI Email Generator and Distributor

2025

- Created and deployed a cloud-native application featuring a multi-model conversational AI agent that designs email templates with persistent conversation memory using Python, LangChain, and the Anthropic API and LLMs.
- Streamed messages in real-time with WebSockets and delivered emails to contacts with a distributed email delivery system using AWS SNS, SQS, Lambda, and SES with resources.
- Provisioned all resources to AWS with Terraform and Terragrunt IAC to enable repeatable multi-environment deployments.