TERENCE FOX

New York, NY
Phone: 347-263-4721 | Email: terence.fo@gmail.com
LinkedIn: linkedin.com/in/terencefox | Website: terencefox.me

SUMMARY

Full-stack engineer specializing in live streaming infrastructure, distributed systems, and API design. I build scalable platforms end-to-end—from TypeScript/Angular frontends to Go microservices and event-driven backends. I've built production systems at Peacock (live streaming for millions of users, Sports Emmy for Paris Olympics), designed APIs serving three continents, and rapidly adapted across tech stacks throughout my career (React, Angular, Vue, Node.js, Go, .NET). I thrive on complex technical challenges where system architecture, performance, and cross-team coordination matter.

EXPERIENCE

Peacock

Technical Product Manager | March 2023 - January 2026
New York, NY

— Designed OpenAPI specifications and API contracts for event-driven architecture serving three streaming platforms (Peacock, NowTV, Showmax), syndicating live events to Prime Video, YouTube Primetime, and Roku

— Led architectural decisions for metadata delivery and transcoding platform built with Go microservices, RabbitMQ, and Kubernetes on AWS, supporting migration of three platforms and processing thousands of live events monthly across three continents

— Received Sports Emmy for Outstanding Live Experience as part of team delivering 2024 Paris Olympics on Peacock

— Led design sprint that tripled operator capacity for simultaneous live events; built prototypes in TypeScript/Angular, conducted code reviews, and submitted PRs for technical implementation

— Coordinated 18-engineer team through complex technical migrations, establishing BDD practices and aligning delivery with live sporting event deadlines

Software Engineer | August 2022 - March 2023
New York, NY

— Built dual 4K/HD streaming UI in TypeScript/Angular, enabling simultaneous multi-quality broadcasts for live events scaling to 10x operator capacity during Paris Olympics

— Implemented per-device streaming manifest management system in Node.js, supporting daily live event operations and enabling reliable delivery for NFL wildcard game with record concurrent viewership on Peacock

— Developed multi-region simulcast capabilities enabling simultaneous broadcasts to three African markets without additional operator overhead, using Angular frontend and Node.js/Lambda backend

Avanade

Senior Analyst, UX Engineering | August 2019 - May 2022

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New York, NY
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— Built formula tracking application for Fortune 500 manufacturing client using Aurelia frontend, .NET Core backend, and SQL Server, streamlining R&D workflows from concept to production release

— Developed Angular component library for Fidelity Investments implementing enterprise design system, enabling consistent UI rollout across their technology infrastructure

— Delivered technical solutions across finance, healthcare, and retail clients, rapidly upskilling on new tech stacks (React, Angular, Vue.js, .NET) every 3-6 months

— Built AR interfaces for Microsoft HoloLens enabling UK manufacturers to retool production lines for ventilator manufacturing during COVID-19, providing real-time assembly documentation

— Developed and delivered technical bootcamps on React and Angular, training over 30 team members in modern frontend frameworks

Freelance Web Development

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Web Development & Product Strategy Consultant | June 2017 - August 2019
New York, NY
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— Built customer-facing website and internal tools for private chef service (Culinistas) using React, Node.js, and SQLite with Google API integrations for recipe management and logistics scaling—company continues operations today

— Developed React prototype with TensorFlow image recognition for e-commerce product discovery, validating machine learning approach with minimal development investment

— Delivered websites and digital solutions for small businesses and nonprofits

Early Career - Culinary Leadership

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Various Positions | 2012 - 2017
New York, NY
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Progressed through culinary roles from line cook to executive positions including Sous Chef (Allswell), Chef de Cuisine (Bar Bolinas), Recipe Developer (Maple Food Co.), and Culinary Director (Butler Hospitality). Managed kitchen operations, menu development, and high-volume production for restaurants and food delivery services.

EDUCATION

Albright College
Incomplete, Political Science, Journalism | 2008 - 2010

Delaware College of Art and Design
Incomplete, Graphic Design | 2006 - 2007

CERTIFICATIONS

— Design Thinking Practitioner

— Full Stack Nanodegree

— Programming in HTML5 with JavaScript and CSS3

— Azure Fundamentals

HONORS & AWARDS

— Sports Emmy for Outstanding Live Experience (2024 Paris Olympics)