

## CONTACT

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201.247.0433  
NJ / NYC

# Nicholas Troia

## Full-stack Software Engineer

## ONLINE

[Homepage](#)  
[Linkedin](#)  
[Github](#)

**Creative full-stack software engineer** with 12+ years of expertise hand-designing, developing, and deploying custom web solutions. Proficient in modern technologies such as Node.js, TypeScript, PostgreSQL, and React, with a strong focus on testing, usability, and reliability.

## TECHNICAL SKILLS

<b>Programming Languages:</b>	TypeScript, JavaScript, HTML5, Python, Java, SQL
<b>Back-End Development:</b>	Node.js, RESTful APIs, PostgreSQL, NoSQL, CouchDB, Redis, AWS, Microservices
<b>Front-End Development:</b>	React, Next.js, Tailwind, SVG, CSS3, Material UI, D3
<b>Cloud Platforms:</b>	AWS (Lambda, EC2, S3, RDS), Google Cloud Platform (GCP)
<b>Testing &amp; Experimentation:</b>	Jest, Mocha, Cypress (E2E Testing), VWO, LaunchDarkly

## WORK EXPERIENCE

**Sr. Software Engineer** NBC Universal May 2024 - Present

- Developing features for a modern CMS stack using Node.js, TypeScript, GraphQL, and React for News Digital editors
- Implementing collaborative editing features using CRDT libraries Quill and Yjs

**Sr. Software Engineer** The Ashley Group Jan 2022 - Jan 2024

- Led the modernization of Windstream's marketing tech-stack, migrating from PHP to Node.js, React, and Next.js
- Architected a monorepo to centralize reusable components and shared logic between multiple apps
- Integrated our UI library with a headless CMS, allowing editors to curate page content and update metadata, reducing reliance on developers
- Expanded A/B testing capabilities for web components, increasing campaign effectiveness and user engagement

**Software Engineer** Self-Employed (Upwork) Dec 2019 - Jan 2022

- Delivered 1800+ hours of full-stack software projects tailored to meet diverse client needs
- Achieved a "Rising Star" recognition by ranking in the top 1% of freelancers for exceptional client satisfaction

**Technical Lead** Listen First Labs Dec 2018 - Present

- Spearheaded the development of backend systems using Node.js, TypeScript, PostgreSQL, Express.js, Lambda
- Designed and deployed production microservices that automate client management, scheduling, and invoicing for a growing number of small businesses
- Tackled technical and operational challenges, ensuring system reliability across web services

**Software Engineer** VIDY Nov 2018 - Jan 2020

- Developed an analytics dashboard for publishers and advertisers to track campaign performance
- Built custom charts using SVG and D3 libraries
- Custom React components for embedding contextual video content with subtitles onto partner sites
- Optimized dashboard performance to handle large-scale metadata and campaign data

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## WORK EXPERIENCE (CONT'D)

### Software Engineer

Clearsummit

Nov 2016 - Dec 2018

- Contributed to the development of TuneRegistry, a comprehensive SaaS platform for managing music rights and metadata across multiple music rights organizations
- Wrote features in Python, React, and Redux to handle workflows for metadata ingestion and validation

### Front-End Web Developer

Complex Media

Oct 2014 - July 2016

- Developed and maintained web applications for high-profile brands including Tony Hawk's Ride Channel and Hot Ones by First We Feast
- Refactored partner sites to improve performance and onboard them into the Complex Partner Network
- 2015 Complex Hackathon Winner (Judge's Choice, People's Choice, Best Team Name)

### Rich Media Developer

Visual Alchemy

July 2010 - Nov 2013

- Worked with top medical clients including Pfizer and Novo Nordisk to develop interactive touchscreen games and video-based training applications that were showcased at medical conferences
- Established a new webcasting platform using Adobe for live video conferencing, enhancing our professional offerings and enabling medical professionals to train remotely

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## EDUCATION

### Rutgers University, School of Arts and Sciences-Newark

Class of 2011

Bachelor of Arts in Visual Arts