

Thomas J. Fox

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Employment

Mediaocean | *Chicago, IL*

Senior Engineering Manager

July 2020—Present

- Owner of Platform Infrastructure team with 6 engineers; providing mentorship / technical guidance and manager of agile bi-weekly scrum sprint process
- Managing projects of multiple teams to deliver large complex greenfield project building for technical leverage, including transition to distributed services in Kubernetes / GraphQL, and new React UI / UX
- Handling cross-org technical dependencies between projects and onboarding teams to new architecture
- Relaying between leadership and teams / engineers about deliverables, decisions, risks, and resourcing
- Owner of multiple critical services like a Python auth service, a GraphQL backend-for-frontend, and CI / CD
- Responsible for interviewing and hiring 20+ engineers in Chicago / Seattle over multiple years and assisted scaling of the team, codebase, documentation, and repeatable processes from 25 engineers to 70+

4C Insights (acquired by **Mediaocean**, 2020) | *Chicago, IL*

Lead Software Development Engineer

Jan 2019—July 2020

Senior Software Development Engineer

Oct 2018—Jan 2019

Software Development Engineer

Aug 2016—Oct 2018

- Full stack engineer on large single-page application built with ES6 Ember.js, React, Redux, and Python Flask
- Spearheaded transition of the platform to React and built an internal component library for reuse
- Helped build and maintain a bare-metal Kubernetes cluster to support microservices and distributed workers
- Led a full stack team of 3 engineers focused on making 4C's platform self-serve and enhancing user experience with tight feedback loop between Engineering, Product / Design, Sales, and clients
- Designed full stack interview process including an in-person React challenge and algorithm discussions
- Architected, built, and maintained an audience building tool including large data pipelines
- Integrated third-party APIs and in-house data sources for audience building and publishing

Oranj | *Chicago, IL*

Software Developer

Jan 2016—Aug 2016

- Initiated development of a hybrid mobile app project for Oranj's wealth management platform and a new iteration of Oranj's main web app

NBT Solutions (now **VETRO FiberMap**) | *Buffalo, NY*

Developer Intern

Summer 2014 | Winter 2014, 2015

- Built web applications leveraging geo-data for clients to either display data publicly or for analytics
- Created custom map tiles incorporating open data from OpenStreetMaps

Education

Loyola University Chicago | *Chicago, IL*

B.S. Computer Science

May 2016

- *Magna Cum Laude*
- Interdisciplinary Honors Program

John Felice Rome Center | *Rome, Italy*

Fall 2014

Tools & Interests

- Agile, Git, GitHub, Jira
- JavaScript (ES6), Python, Node, HTML5 / CSS, SCSS, Less
- Flask, Celery, GraphQL, ReactJS, Redux, Ember.js, MongoDB, MySQL, Redis
- Kubernetes, Istio, Docker, Helm, MetalLB, Nginx, Ansible, Linux, Jenkins, AWS, DigitalOcean, JFrog
- Running, Biking, Photography, Reading, Rowing, Design, Cooking, Cartography