David Tomczyk

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Senior Software Engineer

Software engineer with extensive full-stack experience, from infrastructure to mobile and everything in between. I love learning new things and finding creative solutions to complex problems.

WORK EXPERIENCE

Upnext • Remote

Founding Engineer • Oct 2020 - Present

- Led implementation of LLM-powered news summary, scoring, and refinement pipeline that distills 10,000+ articles per day into the most important stories across a wide variety of topics
- Managed technical design and execution of user-submitted RSS feature, simultaneously initiating data migration from Firestore and GetStream to Postgres, replacing third-party service with our own API
- Created bespoke PDF viewer to display and annotate PDF documents in Upnext's mobile and web apps, incorporating our custom highlighting solution, thereby avoiding significant engineering effort to create and support a PDF-specific format
- Developed third-party integrations to sync annotations made in Upnext in real time to Readwise and Notion, in contrast to competitor's delayed, one-time syncs
- Built file upload and ingestion system, integrating with existing content parsing pipeline and supporting uploads from both iOS devices and browsers

KenSci • Seattle, WA

Software Development Engineer • Jan 2019 - Oct 2020

- Spearheaded and lead Infrastructure as Code migration to standardize and automate infrastructure management for 10+ customer cloud deployments
- Developed custom tooling to support infrastructure management and visibility for cross-functional teams
- Automated deployment pipelines for machine learning and UI teams

Affilio • Seattle, WA

Software Engineer • Jan 2018 - Dec 2018

- Built search aggregation API integrating multiple search providers and formats into a single cohesive API for serving search recommendations to 200K+ requests per day
- Designed and implemented event-based controller framework leveraging reactive programming model to manage asynchronous client-side workflow in a chrome extension built with React and Redux

LifeSciHub, LLC • New York, NY

Software Developer • Oct 2017 - Dec 2017

- Improved and extended UI for user onboarding and profile management, effectively translating design specifications into functioning prototype
- Expanded application features requiring changes across the full stack, including React, Express, and MongoDB

QuintilesIMS • New York, NY

Consultant • Jul 2015 - May 2017

- Advised multinational pharmaceutical company's biosimilar launch strategy by identifying and prioritizing stakeholder needs, conducting primary and secondary market research, and designing tactical roadmap
- Oversaw accelerated development of Manufacturing Quality System Standards by coordinating team of subject matter experts, ensuring adherence to global regulations and consistency with internal documents and requirements

EDUCATION

Full Stack Web Development

Flatiron School • New York, NY • Sep 2017

Full stack software engineering immersive with a focus on Ruby on Rails, JavaScript, and React.

MPH in Epidemiology

Columbia University • New York, NY • GPA: 4.0/40 • May 2015

B.S. in Spanish Language and Literature

University of Michigan • Ann Arbor, MI • GPA: 3.7/4.0 • May 2012

SKILLS

Node.js, React, SQL, Cloud Infrastructure, Docker, Terraform