Jonathan Kurinsky

Philadelphia-based Software Engineer
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TECHNOLOGIES

Highly proficient in web application development using React and its ecosystem; experienced in static site development using tools like Gatsby and 11ty; skilled in SPA design and architecture using state-management frameworks and concepts (Redux, Sagas, React hooks). Highly proficient at ES6+ Javascript and also capable in Typescript; familiar with best practices for functional, declarative programming style. Proficient in microservice and serverless middleware/backend development in Node & Typescript. Extensive experience with npm- and webpack-based tooling environments. Skilled at TDD using Jest and Mocha. Specialtizations in web performance optimization, frontend architecture (esp. microfrontends architectures), frontend tooling. Experienced speaker & educator. Some familiarity: Python; GraphQL; AWS; GCP; Svelte; Websockets.

WORK EXPERIENCE

Software Engineer, (August 2020 - Present)
IKEA, Conshohocken: Tech lead for cross-functional squad focusing on web performance and SEO research & optimization. Architected and built suite of Puppeteer- and Lighthouse-based synthetic-user performance testing/crawling tools to help devs uncover performance improvements for IKEA's microfrontends-based global ecommerce platform. Designed and ran web-performnce A/B tests. Advised teams in best practices for web performance, developer tooling, frontend CI/CD.

Engineer 2, Software Development (October 2019 - July 2020)
Comcast, Philadelphia: Lead UI dev for greenfield React-based customer-facing payment and ecommerce application with millions of users. 70/30 split between code and management/education. Co-designed a bespoke React-based microfrontends architecture and built out associated tooling, later rolled out to multiple teams; co-led effort to push cross-functional agile teams toward CI/CD and devops practices. Built and iterated on Node-based microservices. Organized and presented at internal training sessions on JS, React, and Node as part of department-wide effort to unify department around a Node-based stack. Wrote documentation and designed curricula to help onboard junior engineers.

Teaching Fellow (June 2019 - September 2019)
Fullstack Academy, Chicago: Mentored & taught students at 13-week web development bootcamp; wrote a repository using test-based learning to teach direct DOM manipulation; project-managed six student projects; graded & code-reviewed student projects; led algorithm exercises with classes of 20 students; conducted technical interviews with prospective students.

Logistics & Operations Manager (September 2011 - November 2018)
Haymarket Books, Chicago: Self-taught Python to build tools for automating operations workflows for a nonprofit publisher through period of 400% growth in order volume. Solo author & maintainer of a large object-oriented codebase integrating web scrapers, partner APIs, shipping hardware, and data viz tools behind a CLI.

PROJECTS (see portfolio for much more: www.krnsk0.dev)
guser [npm] [repo] August 2020
Open-source interactive git user switcher for the command line.

Pixalive [deployed site] [repo] May 2019
A multi-user, real-time, React-based editor for animated pixel art (Bootcamp project.)

EDUCATION

Fullstack Academy (January 2019 - May 2019)
13-week rigorous immersive development bootcamp teaching industry-standard professional practices and tooling for modern front- and back-end web development using a Javascript-based stack.

University of Chicago (September 2005 - June 2009)
Bachelor of Arts in philosophy, honors track; focus on mathematical logic & formal semantics. Department awards for academic papers & contributions to undergraduate academic life.