

Ian Sudderth

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I am a software developer passionate about creating tools that help the whole organization mesh together. I do not believe in technology-only solutions, but that we must view every problem holistically, accounting for all levels of the stack, the entire lifecycle of the product, and the workflow of all teams involved. I believe in servant leadership, learning through teaching, automating away the boring stuff, asynchronous everything, and leveraging technology to reinforce our humanity.

JavaScript, Typescript, React, Node, Go, Python, Java, Postgres, SQL, Mongo, Redis, Docker, Kubernetes, Terraform, Git, AWS, Lambda, DynamoDB, OAuth, Kafka, REST, WebSockets, Micro-Frontends, Observability, ELK, DevOps, Serverless

Experience

Schonfeld Strategic Advisors

Lead Software Engineer – UI/UX | October 2019 – Present

- Led development of React micro-frontends platform, which hosted over 50 applications in under three years, increasing developer productivity and bringing disparate business applications into a single location for end-users.
- Led the development of a design system for internal business applications, coordinating the efforts of developers & designers to align with stakeholder feedback.
- Built a shared component library implementing our design system and making common UI components easier for developers to use in their applications. It included everything from basic elements and layouts to complex features like charts and data grids.
- Identified common back-end requirements for front-end developers and developed shared services and infrastructure to support them. These services included authentication/authorization, user-state persistence, and an API gateway.
- Championed best practices for front-end development and supported teams across the company with consultations, education, tooling, and spike capacity.
- Spear-headed adoption of Go as a first-class language in the Technology organization.
- Collaborated with the DevOps team to champion modern development, DevOps, and observability practices across the company, including automated code quality checks, infrastructure as code, fully automated build/release pipelines, and distributed tracing.
- Mentored developers across the organization in development, technical writing, support practices, and public speaking.

Software Engineer – Accounting & Valuations | April 2019 – October 2019

- Maintained accounting-grade data warehouse with complete bi-temporality across multiple axes, presented transparently across several Python microservices
- Built DevOps tooling with Python & Docker to enable local development with current data from large databases refreshed near-instantly on-demand.
- Utilized React, MobX, and Material UI to build self-service UIs, enabling business users to self-serve data discovery, run jobs, and request reports.

Perella Weinberg Partners

Software Engineer | November 2017 – April 2019

- Migrated portfolio management system and developed automated tools in Python for syncing and reconciling positions and trades across multiple accounting systems.
- Developed domain-specific language and test parameterization system for automating the end-to-end tests of hundreds of SSRS reports across multiple environments. Reduced run time from 9 hours to 35 minutes using multi-processing and integrated the tooling into a library for future use.
- Developed a performance calculation application to interface with an existing reporting system, saving the business dozens of hours of manual work each month.
- Managed company-wide Python core library, providing automatic dependency injection and configuration management, automated logging, and email alerting for services.

New York Public Library

Technology Instructor | May 2015 – November 2017

- Taught technology classes to the general public, with a focus on coding, Microsoft Office, Photoshop, and Illustrator
- Led the development of curriculum, including multi-class courses in Python, HTML/CSS/JavaScript, Microsoft Excel, Photoshop, and Illustrator

Electric Beast Productions

Freelance Audio/Visual Producer | February 2012 – May 2015

- Operated a small multimedia production company for freelance projects.

Education

Bachelors of Music | University of Tennessee | 2013 | GPA 3.8