Tim Dronkers

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Technical Experience

Seymour, *Co-Creator / Software Engineer* 🔗   May 2022 – present

Seymour is an open-source and easy-to-configure active monitoring solution for API endpoints that enables rapid detection of issues in production before users experience them.

- Designed a globally distributed architecture that enables users to simulate HTTP requests to API endpoints from 22 locations and compare responses against test assertions.
- Built a UI to create and manage tests and view results (React/Redux, Tailwind CSS, D3).
- Created a back-end service with API endpoints to configure, edit, view and delete tests (Node, Express, PostgreSQL, AWS SDK, Elastic Beanstalk, RDS).
- Utilized AWS serverless products for the infrastructure responsible for triggering, running, and aggregating the results of API tests minimize user maintenance (Lambda, EventBridge).
- Decoupled serverless components by using AWS's managed messaging services to increase reliability and efficiency (SQS, SNS).
- Built a notification system that triggers alerts on failed tests (Lambda, SES).
- Automated the deployment of application infrastructure using AWS's Cloud Development Kit.
- Collaborated with a remote team of 4 engineers distributed across the US and Europe.
- Authored a **case study** 🔗 on Seymour's use case and the team's design decisions.

Launch School, *Capstone Program*   May 2022 – Sep 2022

An intensive finishing program that covered advanced topics such as system design, data-structures and algorithms, full-stack frameworks, and agile, team-based development. Notable projects completed:

- Trellific: A project management app inspired by Trello. Built with React/Redux, Node and MongoDB. Containerized with Docker.
- Snaggl: An app for inspecting and debugging webhooks. Built with React, Node & PostgreSQL.

Launch School, *Full-Time Software Engineering Student*   Apr 2021 – Apr 2022

Mastery-based education program focused on software engineering fundamentals. Developed web applications with technologies such as Node, PostgreSQL, React, JavaScript, HTML and CSS.

Skills

Languages and Frameworks	Cloud	Other Technologies
TypeScript, Node, Express, React, Redux, Next, TailwindCSS, D3, HTML, CSS	AWS, serverless, DigitalOcean, Heroku, MongoDB Atlas	PostgreSQL, GraphQL, HTTP, REST APIs, Git, GitHub, Docker, Linux, CI/CD

Professional Experience

Accountant (CPA)   2011 – 2021
- Experience includes both public accounting (audit) and corporate financial reporting

Education

University of Southern California, *Master of Accounting*   2011

California State University, *B.S. Finance*   2009