Tim Dronkers

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💼 PROFESSIONAL EXPERIENCE

Software Engineer, Coupa Software   December 2022 – June 2023

Engineered and shipped new features, fixed bugs and developed tests for Coupa's travel product.

- Worked on a major project integrating the Coupa Travel app with Coupa's PCI Compliance service, resulting in improved data security (Node, Typescript).
- Redesigned error handling for the travel booking flow in a functional programming style resulting in a significant reduction in thrown exceptions and a better user experience (Node, Typescript, React).
- Led the implementation of a user-requested product feature which added a suffix attribute to the traveler's profile (Node, Typescript, PotsgreSQL, React).
- Collaborated with UX designers and product managers on the redesign of search list item tags which helped users identify desirable flight attributes (React, CSS).
- Created feature flags and monitoring dashboards to assist in the staged rollout of new product features (Datadog, LaunchDarkly).

Software Engineer/ Co-Creator, Seymour 🔗   2022

Seymour is an open-source, easy-to-configure active monitoring tool that enables users to test production API endpoints for availability, performance and correctness of data.

- Built user interface to create and manage tests and view results (React/Redux, Tailwind CSS, D3.js).
- Created back end service with endpoints to configure, edit, view and delete tests (Node/Express, PostgreSQL, AWS SDK, EventBridge, Elastic Beanstalk).
- Utilized serverless functions to originate HTTP requests from 22 globally distributed locations and test the responses (AWS Lambda).
- Decoupled system components by using AWS's managed messaging services (SQS, SNS).
- Reduced system load by using custom message attributes with AWS SNS topic subscription filtering.
- Built a notification system that triggers email/Slack/Discord messages in the event of a failed test.
- Automated the deployment of AWS infrastructure using Cloud Development Kit (~50 components).
- Applied Agile principles to manage tasks, set deadlines and identify roadblocks for a team of four engineers distributed across the United States and Europe.
- Authored technical case study 🔗 covering system design and engineering decisions/ tradeoffs.

Certified Public Accountant, Various Companies   2011 – 2021
- Wide range of financial experience includes financial statement audits, SEC reporting, budgeting / forecasting, process design and automation, project management and supervision of junior analysts.

🧠 SKILLS

Languages & Frameworks	Cloud	Other Technologies
Javascript, Typescript, SQL, HTML, CSS, Express, React, Redux, SCSS, Tailwind, Jest	AWS (EC2, Lambda, SQS, SNS, EventBridge, RDS, S3), Heroku, Digital Ocean	PostgreSQL, MongoDB, HTTP, REST APIs, Git, Github, CI/ CD, Linux, LaunchDarkly, Datadog

🎓 EDUCATION

Software Engineering, Launch School 🔗   2021 – 2022

Master of Accounting, University of Southern California   2011

Bachelor of Science, Finance, California State University   2009