

Trevor

McDougald

Full-Stack Software Engineer with 6+ years experience in UI/UX, ML, enterprise data, and AWS.

CONTACT

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TECHNOLOGIES & SKILLS

Frontend

TypeScript, React, Next.js, VueJS, D3.js, GraphQL-Clients, Mobx, ChartJS, AG-Grid, TailwindCSS, testing-library, i18n, Cypress, SVG, Redux, MDX, CSS-in-JS, Playwright, Plotly

Backend

NodeJS, ExpressJS, Python, Flask, FastAPI, NestJS, GraphQL-Servers, Java-Spring, Scikit-Learn, Tensorflow, Sagemaker, DynamoDB, PostgreSQL, Redis, Golang

Concepts

UI / UX, Serverless, DevOps, Cloud Concepts, Data Science, Wireframes, Browser-APIs, CI / CD, Monorepos,

Tools

AWS, Docker, Git-hooks, Figma, Bash, Anaconda, CDK, Terraform, NX, Turborepo, JSCodeshift, Storybook, SST, pnpm, RollupJS, Webpack, Vite

WORK HISTORY

May 2022
Present

Software Dev Engineer II

Amazon

- Lead on release of greenfield project with positive feedback and adoption from 8k+ Fulfillment Center engineers
- Leadership experience mentoring 12 devs in **DevOps**, **AWS**, and **React.js** . 8 L4 Engineers, 4 Interns. Regularly consulted on critical internal typescript & python libraries.
- Responsible for team **UI / UX**. New designs increased sponsorship from 1 internal organization to 10+.
- Migrated team's infrastructure to AWS / **CDK**. Moved team's jobs and backend to **Lambda/ECS** computes.

Aug 2020
May 2022

Software Dev Engineer I

Amazon

- Moved team's frontend to AWS / **CloudFront**. Website loaded 6x faster than previous CDN solution.
- Created data heavy charts and pivot tables with **D3.js**, **SVG** and **React**. Rendered over 9k elements.
- Setup **GraphQL Client**. Introduced browser cache which removed 66% duplicate request, improved UX.
- Deployed **Boto3** and **PyGreSQL** Python scripts that batch processed metrics for 2k+ CI / CD pipelines.

Feb 2020
Aug 2020

JR Software Engineer

Applied Concepts

- Replaced an old CRM used by sales team with a **VueJS** web application. Saved 1k in monthly licensing fees.
- Implemented a **Spring Boot** CRUD API for MySQL DB.

Jan 2018
Jan 2020

Web Developer Intern

Benson Dental

- Built a new dental website with **jQuery** and TailwindCSS leading to a 30% increase in patient bookings.

PROJECTS

Jan 2024
Present

https://a.amazon.dev

Internal to Amazon

- Tracks and analyzes Amazon's GenAI/ML/Web code-repositories.
- Other company contributions: UserScripts, Ops-tools, etc.

Aug 2015
Present

Open Source Contributions

- Helping resolve issues for leading React/D3.js frameworks & typescript projects.

EDUCATION

Aug 2015
Dec 2019

Texas State University

- B.S. Computer Science, Minor in Applied Mathematics
- Deans list, 3.9 course GPA