

Tate Ewing

(203) 906-3214 | ctate.ewing@gmail.com | <https://about-tate.vercel.app/>

EDUCATION

Colby College, Waterville, MA
Major: Computer Science — Minor: Physics

Bachelor of Arts, May 2021

Work Experience

Docusign, Seattle, WA
Software Engineer II - Full Stack

August 2020 – August 2023

Healthcare and Life Sciences

- Maintained core eSign **.NET** services for 21 CFR Part 11 and Validator for Life Sciences
 - Product suite generating approx. \$4M annual revenue
 - Owned delivery of monthly Validator for Life Sciences reports, a complex system with cross-team dependencies
- Led overhaul of Validator for Life Sciences backend services
 - Built a new **microservice** for storing and delivering reports, using **NestJS** and **MongoDB**
 - Deployed as containerized app using **Docker** and **Kubernetes**, managed by **Azure**
 - Used **Helm** to define deployment parameters, including resource allocation, A/B testing strategy, and authentication
- Implemented new **React** UI for accessing monthly reports
- Contributed to Healthcare Fields project, a data model for persistence of patient data across medical documents (**HL7**).
- Wrote and maintained unit tests (**C#**) and integration tests (**Selenium/Ruby**).

Responsive Signing

- Refactored frontend components in eSign client from legacy pattern to modern **TypeScript** and **React**.
- Developed and maintained core eSign API (**.NET/C#**) for responsive mobile signing experience.
- Built session recycler for HTML to PDF conversion, reducing resource consumption by 25%.
- Wrote post-processing algorithm to identify and correct poor PDF to HTML conversion.
- Conducted data analysis using **Azure Data Explorer** and **Kusto Query Language (KQL)** to debug, monitor live site issues, and track feature usage.

Projects

Personal Website - <https://about-tate.vercel.app/>

July 2024

- Built a personal website from scratch using **Next.js**, **TypeScript**, and **React**.
- Custom, mobile-friendly styling using **Tailwind CSS**.
- Deployed using **Vercel**.

Strava Data Visualization - <https://github.com/TateEwing/MountainVis>

January 2024

- Built a **Streamlit** app to visualize my own exercise/GPS data.
- Processed and organized over 1,000,000 data points using **Pandas** and **Jupyter Notebooks**
- Displayed in 3D plot **DeckGL** overlaying a **Mapbox** backdrop.

Skills

Languages: TypeScript, JavaScript, Python, C#, HTML/CSS, SQL, KQL

Frameworks and Libraries: React, Node.js, Next.js, Tailwind CSS, .NET Framework, NestJS, Mongoose, Pandas

Tools: Git, Azure, Jupyter Notebooks, Kubernetes, Docker, Jenkins, MongoDB