

Tate Ewing

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Work Experience

98point6, Seattle, WA

September 2024 – May 2025

SDE II - Full Stack

Health Tech Startup – Ownership of technical projects, from **Figma** designs through code implementation

- Designed and implemented secure reset password flow using **OAuth 2.0** for internal identity provider
 - Exposed a public endpoint to initiate password resets when the user is not logged in
 - Authorized server-to-database access via client credentials grant, issuing **JWT** with time-limited, minimum required scope to update password in user resource
 - Optimized performance and eliminate repeat issuance, storing JWT in **read-through TTL Cache**
 - Implemented reset password UI, to orchestrate reset flow and send reset password email
- Built greenfield fee collection system with **Authorize.net** API integrations, enabling customer to collect payment for asynchronous care provided to patients
 - Securely send encrypted payment data from **React** credit card input form to external API, in compliance with PCI-DSS requirements using **Accept.js**
 - Capture or cancel payment using **Temporal** workflow, dependent on delivery of care to patient
- Built greenfield email service to deliver personalized patient and provider notifications using **Mailgun** API
 - Created email client-agnostic **HTML** templates built to spec from **Figma** designs
 - Populate template with clinic and recipient information by fetching contact info and branding data from **FHIR** compliant **Postgres** database, and clinic logo from **AWS S3**
 - Use **tRPC** procedures to send emails triggered by frontend actions, and **Temporal** workflows to send emails triggered by automated processes

Docusign, Seattle, WA

August 2020 – August 2023

Software Engineer II - Full Stack

- 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, developing a new **REST API**
 - Built a new **micro service** for delivering reports, using **NestJS**, **MongoDB**, **Azure Blob Storage**
 - Deployed as containerized app using **Docker** and **Kubernetes** on **Azure Kubernetes Services**
 - Define deployment parameters with **Helm**: resource allocation, A/B testing strategy, and auth
- Wrote and maintained unit tests (**C#**) and integration tests (**Selenium/Ruby**)
- Developed and maintained core eSign API (**.NET/C#**) for a **responsive** mobile signing experience
- Built session recycler for HTML to PDF conversion, reducing resource consumption by 25%
- Conducted data analysis using **Azure Data Explorer** and **Kusto Query Language (KQL)** to debug, monitor live site issues, and track feature usage.

Education

Colby College, Waterville, MA

May 2021

Bachelor of Arts, Computer Science

Skills

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

Frameworks and Libraries: React, React Query, tRPC, Node.js, NestJS, Tailwind CSS, .NET Framework

Tools: Git, Azure, AWS, AWS S3, Docker, Jupyter Notebooks, Kubernetes, Jenkins, MongoDB, Postgres