Emma Adams
Senior Software Engineer

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EXPERIENCE

Senior Software Engineer   Jan. 2024 - Nov. 2024
Hewlett Packard Enterprise
Remote

- Worked full stack on a greenfield RAG evaluation and deployment service which primarily used Go, Python, TypeScript, React, Kubernetes, Postgres, Milvus, and RabbitMQ.
- Lead the RAG evaluation React frontend project. Evaluation streamed DeepEval results with WebSockets to evaluate RAG applications using metrics like groundedness, context relevancy, and answer relevancy when compared against expected output.
- Helped define the frontend architecture into core components reused across the app with tools like Vite, Eslint, Prettier, Storybook, Jest, Playwright, Orval, Zod, and Msw
- Implemented performance critical features in a JupyterLab extension for managing large data-driven pipelines training LLMs.
- Worked closely with product managers and designers to deliver stories sometimes requiring presentations to stakeholders and technical design documents.

Principal Software Engineer   Feb. 2021 - Apr. 2023
Devoted Health
Remote

- Remote role working with Go on the backend and TypeScript React on the frontend.
- Drafted stories for a React customer service app by participating product design meetings and developed them until release.
- Scaled ETL pipelines that had to meet the demands of fast user growth.
- Lead project redesigning the RISK engine which is the primary revenue stream enabling claim reimbursement by the US government.

Freelance Software Engineer   Aug. 2020 - Jan. 2021
Self-Employed
Remote

- Contract work building APIs and React web applications for small to mid-sized companies.
- Computer Science tutoring and classes for teaching university students web development.

Lead Senior Software Engineer   Jul. 2018 - Jul. 2020
Humble Bundle
Remote

- Promoted from Senior Software Engineer to Lead Senior Software Engineer II of the Platform team.
- Developed features for a Python and React e-commerce website that averages 26 million views per month.
- Executed a project to migrate all sessions to the newly required TOTP two-factor system with OAuth Google login.
- Led the internationalization project for an 8-year-old application and educated other developers on how to use these tools.
- Managed 5 direct reports including regular one-on-one meetings, code reviews, and pair programming.

Lead Full Stack Software Engineer

Jan. 2018 - Aug. 2018

[Committee for Children](#)

Seattle, WA

- Led the replacement of a legacy, monolithic DNN platform to a high performance platform utilizing using React and .NET Core.
- Migrated user authentication to the IdentityServer4 OpenID identity provider.
- Incrementally transformed a series of untested stored procedures into a modern C# WebAPI.
- Developed a TypeScript React frontend powered by an ASP.NET Core C# backend to track the delivery of coursework to students.

Full Stack Software Engineer

Jul. 2013 - Dec. 2017

[Trov](#)

Remote

- Remote software development team where developers wrote unit and integration tests.
- Constructed an on-demand insurance platform for consumer items with ASP.NET C# and SQL.
- Developed an app for managing claims and insuring items with a Typescript React frontend and ASP.NET C# backend.
- Built a business intelligence system for sending information to Trov's partners using Python.

Application Researcher

Jan. 2013 - Nov. 2013

[University of Washington](#)

Seattle, WA

- Lead developer for the TypeScript library that abstracted cloud storage services like Dropbox, Google Drive, and AWS.
- Contributed to a research paper on abstracting cloud storage.

Software Engineer Intern

Sept. 2012 - May 2013

[E*Trade](#)

Seattle, WA

- Worked on an international team to develop high performance stock trading apps implemented in Java
- Developed high-frequency trading features that supported options (contracts to buy a stock at a given price in a span of time).

Web Instructor and Engineer

Jan. 2012 - Jun. 2013

[University of Washington](#)

Seattle, WA

- Taught modern web development standards to University of Washington staff and students.
- Developed applications to manage courses and support tickets using Python and Django.

Software Engineer Intern

Apr. 2012 - Nov. 2012

[Rakuten](#)

Seattle, WA

- Scraped and normalized product information using Python.
- Worked with Overstock, Amazon, and Walmart APIs to gather product information and update listings.

Software Engineer Intern

Apr. 2011 - Nov. 2011

[SmiteWorks](#)

Bellevue, WA

- Worked on the FantasyGrounds chat feature using C.
- Led the development of a C app to import character data from competitors apps.
- Worked with the Steam gaming app store to publish updates and respond to customer feedback.

EDUCATION

Bachelor of Science in Informatics

University of Washington Seattle

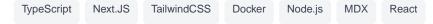GPA: 3.87   2011 - 2014

- Informatics as my major taught an interdisciplinary approach to technology covering topics a range of topics including computer science, business, design, user experience, and project management. It encouraged a broad foundation, but deep specialization within a given field. Within this major, I specialized in computer science.

PROJECTS

Personal Website

- Next.JS powered blog and resume website adhering to modern web development standards.
- High performance and no JavaScript support is enabled due to a hybrid model of server-side and client-side rendering.
- Blog using MDX files for easy maintenance and richly formatted posts.

TypeScript   Next.JS   TailwindCSS   Docker   Node.js   MDX   React

TypeScript Database

- A transactional in-memory database for TypeScript with a string key/value REPL.

TypeScript   Node.JS   eslint   prettier   mocha   sinon

Grimoire

- Next.JS powered notes and calendar app with a Material UI composed of small reusable components.
- GraphQL backend with access control for separate users that uses Prisma to persist data with Postgres.

TypeScript   Next.JS   Docker   React   GraphQL (Apollo)   Postgres (Prisma)   Material UI   Css (Emotion)

Discord Management Bot

- Discord bots written in TypeScript running on Node.JS for logging, music, GPT-2 chatting, role management, and security monitoring.
- Scales to a discord of any size and can be configured with JSON to support any number of discords.
- Code is broken up into highly reusable modules that can be pulled into any TypeScript project for customization.
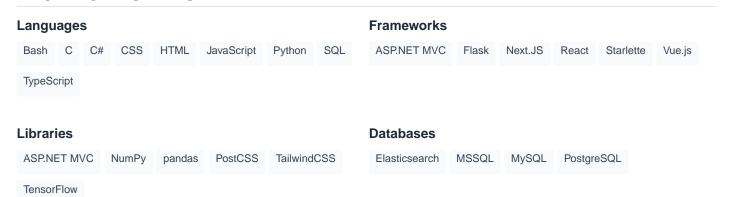
TypeScript   Node.JS   Docker   Discord.js   eslint   prettier

dstruct

- Common data structures and algorithms for TypeScript.
- Based on Java collections, C# collections, and Google Java collections.

TypeScript   Grunt   Docker   Bower   Karma

TECHNICAL SKILLS

Languages

Bash   C   C#   CSS   HTML   JavaScript   Python   SQL

TypeScript

Frameworks

ASP.NET MVC   Flask   Next.JS   React   Starlette   Vue.js

Libraries

ASP.NET MVC   NumPy   pandas   PostCSS   TailwindCSS

TensorFlow

Databases

Elasticsearch   MSSQL   MySQL   PostgreSQL

Cloud Providers

Akamai AWS Cloudflare DigtalOcean Google Cloud

Microsoft Azure Vercel

Operating Systems

ChromeOS GNU/Linux MacOS Windows

Developer Tools

cmake Docker ESLint gcc Git Kubernetes npm

Prettier Visual Studio VSCode webpack

Soft Skills

Constructive feedback Desire to listen and grow

Effective concise communication

Problem solving with minimal guidance