Chris Hendrix

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Projects

Chat App with User Auth | *Next.js, React, Typescript, Postgres, Supabase, Redux, Docker CI/CD*
- Built a Next.js "boilerplate" messaging app with full user authentication via server-side sessions
- Implemented CI/CD with Github Actions, Jest, Cypress (E2E), and Vercel deployment

Fantasy Baseball Website | *Express, React, Redux, Google Cloud API*
- Built a personal website using Express, React, and Google Cloud API that allows for custom draft rules
- Created a RESTful connection that pulls live draft data from Google Sheets into filterable tables

Work Experience

Senior Fullstack Engineer   **Jan 2022 - Present**
Emissary.io   *New York, NY*
- Lead revenue-impacting features (user search, library search, email notifications) by designing the **MySQL** schema, **flask** endpoints, **Elasticsearch** indexing, **sqlalchemy** queries, **pytest** unit tests, and **React** components
- Lead the development of a investor-requested feature of displaying real-time user survey results, and deployed it to production a sprint earlier than expected
- Planned feature epics by providing user stories based on PRDs as part of an **agile** development workflow, enabling the swift development of new features by the engineering team
- Lead the upgrade of **MySQL** in our local **Docker** environment, as well as our **GCP** production environment with high availability, resulting in improved resilience and query performance
- Tasked with mentoring and onboarding a new engineer shortly after I joined Emissary, enabling him to produce meaningful PRs within a month

Engineer   **July 2013 - Jan 2022**
Jensen Hughes (acquired Stevenson & Associates in 2017)   *Boston, MA*
- Managed a team of 4-6 engineers and technical experts, architected a **relational database**, and developed meaningful trends as a part of EPRI funded research on nuclear power risk assessments
- Generalized the existing **Python/TensorFlow** codebase so it could be used for different applications for a project designed to use **NLP** to streamline the processing of Nuclear Power Plant condition reports
- Designed the the **object structure**, database mapper for multiple desktop applications that are currently being used by nuclear power plants for seismic risk assessments
- Awarded by management for developing tools that automate proposal generation and track project budgets
- Performed non-software work including seismic risk assessments, blast design, proposals writing, project management, and leading internal BD initiatives

Teaching Assistant, Java   **Aug 2012 - May 2013**
MIT   *Cambridge, MA*
- Taught weekly recitations going over lecture topics such as **data structures**, **algorithms**, and **OOP**
- Helped administer the course by writing test questions and homework solutions

Skills

- Languages: Python, Javascript, Typescript, Java, SQL
- Technologies: Node, Express, flask, React, Postgres, MySQL, MongoDB, Redux
- Tools: GCP, Docker, Github Actions, Elasticsearch, CI/CD, Linux, WSL2

Education

MIT   **2012 - 2013**
M.Eng., Seismic Engineering, 4.9   *Assistant NCAA Baseball Coach*   *Cambridge, MA*
MIT   **2008 - 2012**
B.S., Civil Engineering, Minor: Architecture, 4.4   *NCAA Baseball*   *Cambridge, MA*