

Veronika S. Todd


Software Engineer

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Experience

Creator, Software Engineer, MIMIC (mimic-replay.com) 2024

MIMIC is an open-source session replay framework for recording and replaying user sessions, to aid in the debugging of web applications.

- Constructed the Express server, which includes handling all API communication with frontend dashboard, receipt of user session data from instrumented applications, and compression of event data prior to storage.
- Designed a robust multi-tiered database storage architecture, utilizing PostgreSQL for user session and project metadata, Redis for active session event data, and Amazon S3 for completed session event archival.
- Developed session capture script, facilitating the recording and forwarding of session data, including user interactions, network requests, console logs, and errors.
- Led the engineering and deployment of the Python CLI installer, which dynamically generates and injects the session capture script into the desired application to seamlessly integrate it with MIMIC's framework.
- Contributed to the augmentation of the React frontend dashboard, including overall layout, user experience, and interface design decisions.
- Deployed MIMIC's infrastructure to AWS, leveraging EC2 instances to ensure scalability and reliability of the session replay framework.
- Collaborated effectively with a diverse, multinational team of four engineers, conducting daily stand-ups and utilizing kanban agile methodology to streamline project management and coordination.
- Authored an in-depth technical case study, readable at mimic-replay.com 

Software Engineer, Open-Source Projects 2022 – 2024

Developed a variety of personal and open-source applications including:

- Request Neko: A Request-Bin like tool for collecting and inspecting webhooks, backed by a NoSQL database (Node.js/Express, React, MongoDB, Nginx, DigitalOcean Droplet)
- What To-Do: An interactive, database backed to-do list manager (Node.js/Express, Handlebars, PostgreSQL)
- Jammer Tracker: A CRUD application for tracking roller derby "jammer" stats (Ruby, Sinatra, PostgreSQL)

Neurological Physical Therapist, Multiple Companies 2017 – 2023

- Treated patients with a wide variety of neurological diagnoses including stroke, traumatic brain injury, multiple sclerosis, and Parkinson's disease, in inpatient rehab, ICU, and outpatient settings.

Skills

Languages

JavaScript, TypeScript,
Golang, Python, Ruby,
SQL, HTML/CSS

Libraries & Frameworks

Node.js, Express,
React, Sinatra, jQuery,
Jest, Cypress, Minitest

Cloud/Deployment

Amazon Web Services,
DigitalOcean, Heroku,
MongoDB, Nginx, PyPI

Other

Git/GitHub, Bash,
RESTful APIs, OOP,
PostgreSQL, Docker

Education

Software Engineering & Full-Stack Web Development, 2022 – 2024

Launch School 

A multi-year, mastery-based software engineering curriculum, with heavy emphasis on full-stack engineering fundamentals.

Doctor of Physical Therapy, Ithaca College 2011 – 2017