



Veronika Todd Software Engineer

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Experience

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

MIMIC is an open-source session replay framework streamlining the recording and replaying of user sessions, enhancing web application debugging.

- Developed an Express server responsible for managing API communications with the frontend dashboard, processing user session data from instrumented applications, and compressing event data before 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.
- Built the 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 user application, integrating it with MIMIC's framework in a single step.
- Architected a React frontend dashboard, prioritizing an intuitive interface for error identification.
- Deployed MIMIC's infrastructure to AWS to ensure feasibility, employing EC2 instances to capacitate scalability and reliability.
- Utilized kanban agile methodology to standardize project management, enhancing workflow efficiency.
- Authored an in-depth technical case study, readable at mimic-replay.com/#case-study .

Software Engineer, Open-Source Projects 2022 – 2024

Developed a variety of 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).
- Jammer Tracker: A database backed CRUD application for tracking roller derby stats relating to the "jammer" position (Ruby, Sinatra, PostgreSQL, ERB).

Neurological Physical Therapist, Multiple Companies 2017 – 2023

- Evaluated and 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.
- Collaborated continuously with interdisciplinary teams to optimize patient outcomes.

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 emphasis on full-stack engineering fundamentals.

Doctor of Physical Therapy, Ithaca College 2011 – 2017