






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.
- 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.
- Enhanced the React frontend dashboard, with a focus on improved user experience and interface design.
- 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/#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).
- What To-Do: A database backed, interactive 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

- 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 team 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