Veronika S. Todd Software Engineer

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Skills

Languages
JavaScript, Golang,
Python, Ruby,
TypeScript, SQL

Libraries & Frameworks
Node.js, Express, React,
Sinatra, jQuery, Jest,
Cypress, Minitest

Cloud
Amazon Web Services,
Digital Ocean, Heroku,
MongoDB, MinIO

Other
Git, GitHub,
PostgreSQL, Bash,
Docker, HTML/CSS

Experience

Co-Creator, Software Engineer, *MIMIC*   2024

MIMIC is an open-source session replay framework which simplifies recording & replaying user sessions to aid debugging web applications.

- Developed comprehensive technology demos, including rrweb and Redis, to enhance team understanding and facilitate effective implementation.
- Assisted in the development of the Python CLI installer, enabling dynamic generation and injection of the session capture script into user applications for seamless integration.
- Spearheaded the development of the session capture script, facilitating the recording and forwarding of user session data to the Express server.
- Designed a robust multi-tiered database storage architecture, utilizing PostgreSQL for session and project metadata, Redis for active session event data storage, and Amazon S3 for archiving completed session event data.
- Contributed to the enhancement of the React frontend dashboard, focusing on improving 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 standups and utilizing Kanban methodology to streamline project management and coordination.
- Authored an in-depth technical case study: link to case study

Software Engineer, *Open-Source Projects*   2022 – 2024

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

- Request Neko - A tool for collecting and inspecting webhooks, backed by a NoSQL database (DigitalOcean Droplet, MongoDB, Node.js, Express, React, Nginx).
- What To-Do - A single page, database backed, CRUD application (Node.js, Express, Handlebars, PostgreSQL)
- Jammer Tracker - An application for tracking roller derby stats (Ruby, Sinatra, PostgresSQL)

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.

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