Erik Wiens *Software Engineer*

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PROFILE

I am a software engineer with experience in JavaScript, TypeScript, Go, Ruby, RESTful APIs, PostgreSQL, and React. Recently, I built MIMIC, an open-source session replay framework for recording and replaying user sessions. I use skills gained in my previous career as a teacher to break down complex topics for non-technical audiences.

PROFESSIONAL EXPERIENCE

Software Engineer & Co-Creator, *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 frontend applications.

- Built a telemetry pipeline that doubled concurrent user session capacity using Redis, S3, and PostgreSQL.
- Wrote a Redis pub/sub mechanism to automate the transfer of in-active session data from in-memory to disk-based, to reduce storage costs by 80%.
- Engineered an instrumentation tool for collecting user session data, including DOM changes, network requests, console logs, and errors while minimizing latency impacts for the end-user.
- Created a UI that allows organizations to browse, search, and filter 1000s of user sessions while remaining performant using React.
- Developed a CLI installer which instruments web applications in a single step.
- Authored an in-depth technical case study, read more at mimic-replay.com 🔗

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

- Request Neko — A database-backed webhook request inspection and debugging application (React, Express, MongoDB, PostgreSQL, deployed to Digital Ocean Droplet)
- Birdie — A short-form blogging platform inspired by Twitter (Ruby, Sinatra, PostgreSQL)

Teacher, *Public Schools*   2015 – 2022

Researched and explained complex topics to help students and colleagues improve and learn. Fostered a positive and collaborative environment to bolster learning and performance.

SKILLS

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

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

Cloud/Deployment
AWS EC2, DigitalOcean, Heroku, MongoDB, Nginx

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

EDUCATION

University of British Columbia, *Bachelor of Commerce, Finance*