

# Louis Mascari

## Software Engineer

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📍 Knoxville, TN

## Skills

### Back-end:

Node.js, Ruby, Golang, Python, PostgreSQL, MongoDB, MinIO, S3, Redis, RESTful APIs, Express, Sinatra, Minitest, Jest, Cypress

### Front-end:

JavaScript, TypeScript, React, jQuery, Handlebars, HTML/CSS

### Other:

AWS, Docker, DigitalOcean, Git/GitHub, Nginx, Linux, Bash, HTTP, WebSockets, Object-oriented programming, Postman

## Education

**Software Engineering & Full-Stack Web Development,**  
Launch School [🔗](#)

2022 – 2024

**Doctor of Physical Therapy,**  
Emory & Henry College

2016 - 2019      3.9 GPA

**Bachelor of Science in Kinesiology,**  
Pennsylvania State University  
2011 – 2015

## 🔧 Technical Experience

### Creator, Software Engineer, MIMIC [🔗](#)

2024 – Present

MIMIC is an open-source session replay framework simplifying recording and replaying user sessions to enhance web application debugging.

- Led a team in the development of MIMIC overseeing daily standups and meetings to ensure project progress and cohesion.
- Created comprehensive technology demos, including rrweb and Redis, to enhance team understanding and facilitate effective implementation.
- Developed a session capture script, which facilitated the recording and forwarding of user session data to the Express server.
- Enabled dynamic generation and injection of session capture script into user applications using Python for seamless integration.
- 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 completed session event data.
- Built a React frontend with a focus on functionality and a streamlined user experience.
- 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 Agile methodology to streamline project management and coordination.
- Authored an in-depth technical case study: [mimic-replay.com](https://mimic-replay.com) [🔗](#)

### Software Engineer, Open-Source Projects

2022 – 2024

Developed various personal and open-source web applications including:

- Request-Neko: A database-backed webhook request inspection and debugging application (React, Node.js/Express, MongoDB, PostgreSQL, Nginx, deployed to DigitalOcean Droplet)
- Supervisory Tracker: A CRUD application for physical therapists to streamline management of patient reevaluation and assistant supervisory requirements (Ruby, Sinatra, ERB, PostgreSQL)
- What To-Do: An interactive single page task tracking manager with a variety of filtering and sorting features (Node.js/Express, Handlebars, jQuery, PostgreSQL)

## 🧰 Other Experience

### Physical Therapist, Professional Case Management

2021 – 2023

Evaluated and managed complex patient cases while supervising multiple PTAs and collaborating daily with an interdisciplinary team to ensure optimal outcomes.

### Physical Therapist National Traveler, Upstream Rehab.

2019 – 2021

Swiftly adapted to diverse settings in both team and solo roles, seamlessly adopting full caseloads upon arrival for continuity of care.