# Louis Mascari

## *Software Engineer*

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⌕ Louis-Mascari

in Louis-Mascari

📍 Knoxville, TN

## 🧠 Skills

**Back-end**

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

**Front-end**

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

**Other**

AWS, Docker, Digital Ocean, Git/GitHub, Nginx, Linux, Bash, HTTP, WebSockets, OOP, 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.
- 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 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: 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, Express, MongoDB, PostgreSQL, Nginx, deployed to Digital Ocean 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

- Conducted patient evaluations in-home, fostering interdisciplinary collaboration for optimal outcomes while supervising multiple PTAs.

### 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.