Paul F. Esch-Laurent

+1 **(231) 373-9740**
p@uly.io | uly.io

Experienced full-stack senior software engineer based in Minneapolis, MN.

EXPERIENCE

Self-Employed | *Freelance Full-stack Engineer*

NOVEMBER 2023 – NOW | REMOTE | EDTECH, PROPTECH, AND LIVE EVENTS | TYPESCRIPT (REACT), PYTHON (FASTAPI)

- Consulted with bootstrapped founder on how to technically build their MVP within a limited budget.
- Wrote technical articles and documentation targeted towards educating software developers.
- Contracted with a local HOA to build a React web app for displaying property metadata.

Kindly Human | *Software Development Engineer*

MAY 2023 – NOVEMBER 2023 | REMOTE | MENTAL HEALTHCARE STARTUP | PYTHON (FLASK), TYPESCRIPT (REACT), POSTGRES, AWS

- Developed and documented a workflow to link a React component library into a Yarn monorepo.
- Interviewed candidates during company growth for backend, devops, QA, and product owner roles.
- Reduced on-call alerts by adding business logic to handle common Twilio SMS & MMS error codes.
- Architected moving email campaigns from custom transactional logic into a Mailchimp integration.

Mattermost | *Software Design Engineer II*

MARCH 2022 – DECEMBER 2022 | REMOTE | OPEN-SOURCE COLLABORATION SOFTWARE STARTUP | GO, TYPESCRIPT (REACT)

- Supported and maintained Mattermost's open-source project management product Focalboard.
- Engaged in code reviews along with supporting community contributions e.g. Hacktoberfest.
- Created API endpoints to export history data enabling compliance for highly regulated customers.
- Shipped guest account support and new roles in the RBAC permissions setup for the product.

Target | *Software Engineer*

JULY 2019 – MARCH 2022 | MINNEAPOLIS, MN | FORTUNE 50 U.S. RETAILER | JAVA (SPRING, MICRONAUT), REACT, GO, PYTHON, DOCKER

- Worked on infrastructure: databases-as-a-service, Kubernetes + Spinnaker, and a serverless platform.
- Designed a utility to ingest logs emitted from a React frontend and export them to a log aggregator.
- Created a Python utility to warm the Docker registry caches for deployments and add monitoring.
- Led creation of a JVM (Micronaut) service to inject Consul & Vault contents into a serverless runtime.
- Split time (~16hr/mo) embedding on a team building a Target-flavored create-react-app boilerplate.

EDUCATION

Michigan Technological University | *B.S. Computer Engineering*

- VP of Linux / UNIX Users Group and Humane Interface Design Enterprise.
- Organizer of Michigan Tech's hackathon: Winter Wonderhack.

PUBLICATIONS

- Using HTMX with FastAPI on TestDriven.io (2024)
- Database Migrations with Alembic on TestDriven.io (2024)
- Making Mermaid Diagrams in Markdown on CSS-Tricks (2022)
- Pseudo-standard Text File Adoption Rates on my personal blog (2019)

KEY: VALUES

- **Coffee:** yes, please. Preferably a light to medium roast served black. Pour-over, if possible.
- **Interests**: driving a manual transmission, finding my N=1 bike, and using Oxford commas.
- **Buzzwords:** CI/CD, serverless, dogfooding, the Cloud, devops, *-as-a-service, AI, ML, LLM, et al.