Paul F. Esch-Laurent

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Software engineer based out of Minneapolis, MN. I'm also on GitHub & LinkedIn.

EDUCATION

Michigan Technological University Houghton, MI – *B.S. Computer Engineering*

GRADUATED MAY 2019

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

EXPERIENCE

Mattermost Remote – *Software Design Engineer II*

MARCH 2022 – DECEMBER 2022

- Maintained the open-source project management product Focalboard (TypeScript [React], Go, SCSS).
- Leveraged asynchronous communication to collaborate across a global remote-first company.
- Created API endpoints to export history data enabling compliance for highly regulated customers.
- Standardized Docker image tag publishing pipeline: "latest" for releases, "edge" for each build.
- Engaged in code reviews along with supporting community contributions e.g. Hacktoberfest.
- Shipped guest account support and new roles in the RBAC permissions setup for the product.

Target Minneapolis, MN + Remote – *Software Engineer*

JULY 2019 – MARCH 2022

- Worked on three infrastructure teams: databases-as-a-service for internal HQ usage, Kubernetes + Spinnaker deployed across HQ + Stores + DCs, and functions-as-a-service for usage by internal teams.
- Wrote utility to take logs emitted from a React frontend and make them consumable in a log aggregator.
- Configured NGINX to QoS traffic by redirecting Kubernetes NodePort(s) to reduce VLAN congestion.
- Implemented a workflow tightly coupled with Git & CI to standardize Spinnaker pipelines across HQ.
- Paired on Python utility used to warm the Docker registry edge caches for Kubernetes deployments.
- Led creation of a JVM (Micronaut) service to inject Consul & Vault contents into a serverless runtime.
- Split time (~40hr/mo) with another team maintaining a Target-flavored create-react-app boilerplate.

PROJECTS

bic Static blog generator, in Bash

Configurable & opinionated static site/blog generator, written in a single Bash script.
- Fully featured scope to support authoring via Markdown and publishing to a static file host.
- Configured GitHub Actions as CI/CD to handle unit testing & Docker publishing to ghcr.io.

Blog My thoughts & opinions: published

My personal blog: containing a mix of technical and non-technical life musings.
- Custom theme featuring light & dark themes, keyboard shortcuts, and improved typography.
- Contributed upstream to the open source blogging platform, Blot.

KEY: VALUES

- **Coffee:** yes, please. Preferably a light to medium roast served black. Pour-over, if possible.
- **Learning:** always. Life—both mine and yours—is better when we can better ourselves.
- **Interests**: chasing the perfect cup of coffee, finding my N=1 bike, and Oxford commas.
- **Buzzwords:** CI/CD, serverless, dogfooding, the Cloud, IoT, devops, *-as-a-service, AI, ML, et al.