Kofi Gumbs

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WORK

Trainer Vision — **Co-founder and Solo Developer**   *Jan 2019 — present*
- Conducted prospective customer interviews and user observation sessions to inform product design
- Created and completed objectives for measuring customer productivity, such as 20% decrease in time spent on administrative tasks
- Identified opportunity to provide additional value to existing customers via our website design service
- Used — Heroku, Netlify, Ruby, Sinatra, Postgres, Elm, JavaScript

HubTran — **Lead Developer (July 2018)** — Developer (Nov 2017)   *Nov 2017 — Sep 2019*
- Implemented support tools that decreased Accounts Receivable platform's weekly support cost by 80%, eliminating the need for a dedicated support developer
- Designed and built Elm cache library to improve performance, simplify developer onboarding, and remove 2000+ lines of code from Accounts Receivable platform
- Mentored junior engineers via pair programming and organizing monthly talk series
- Used — Ruby, Rails, Elm, React, Postgres, Redis

8th Light — **Software Crafter (Dec 2015)** — Apprentice (July 2015)   *July 2015 — Sep 2017*
○ Client Project — **American Medical Association**
- Integrated internal SOAP APIs to build a redesigned customer payment workflow that processed all membership renewals for 2017
- Used — Java, TypeScript, Angular

○ Client Project — **Hometown Quotes**
- Migrated on-premises data warehouse to AWS-hosted infrastructure using Ansible scripts that enabled repeatable test runs, consistent staging environments, and version-controlled configuration
- Established testing patterns to enable safe changes to projects which were previously untouched for years
- Used — Ansible, Java, JavaScript, MySQL

○ Client Project — **Raise**
- Convert continuous integration pipeline to use containers and parallelized builds, which decreased build times by 70%
- Gave internal talks on testing and software design principles
- Used — Docker, Ruby, Rails, JavaScript, Postgres

EDUCATION

Recurse Center — 12-week self-directed study of graphics and animation   *Sep 2019 — Dec 2019*
University of Maryland, B.S. Computer Science — Banneker/Key Scholar   *Sep 2011 — May 2015*

TALKS

[Making Bitmoji dance with WebGL and Elm](#) — Recurse Center Localhost   *Oct 2019*
[The "Programming Language" Design Pattern](#) — 8th Light University   *Jun 2019*
[Guaranteed Refactors: Generating Tests from Types](#) — Elm in the Spring   *Apr 2019*
[Getting to BEAM, without going through Erlang](#) — CodeBEAM Stockholm   *May 2018*
[Introducing Functional, Reactive Programming](#) — CodeMash   *Jan 2017*