

Josh Keller

Software Engineer

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SKILLS

Languages and Frameworks

JavaScript, Go, Ruby, Node, Express, Sinatra, React

Cloud

AWS (EC2, ECS, Fargate), Docker
Compose ECS Integration, Heroku,
Digital Ocean

Other Technologies

PostgreSQL, MongoDB, Linux, HTTP, OOP, REST APIs, Git/Github, Docker, HTML/CSS, SQL

PROFESSIONAL EXPERIENCE

- 2022 – present **Co-Creator, Software Engineer, Hypha**
Hypha is an open-source, self-managed observability framework that correlates logs and traces to make debugging distributed systems easier. <http://teamhypha.com> 🌐
- Designed, prototyped, and built an automated, end-to-end telemetry pipeline that sets up distributed tracing, aggregates existing logs, and correlates logs with traces.
 - Implemented and automated instrumentation of Node.js applications to emit logs and traces using OpenTelemetry SDK and Collector.
 - Evaluated technologies for use in project based on design goals and use-case
 - Containerized and configured backend services including OpenTelemetry Collector, Jaeger, Grafana Loki, and Grafana using Docker Compose.
 - Scaled Loki and Jaeger services with read/write/store multi-service deployments using Nginx as a reverse proxy for service discovery.
 - Automated provisioning and teardown of AWS cloud infrastructure via AWS CLI, ECS Fargate, and Docker Compose ECS integration.
 - Collaborated closely with a remote team of 4 engineers, including daily standups and pair programming.
 - Co-authored the Hypha technical case study. (<https://teamhypha.com/case-study> 🌐)
- 2020 – 2022 **Software Engineer, Self-Employed**
- RekwstBin: RequestBin-like webhook and HTTP request inspection tool built with Go and MongoDB, deployed on DigitalOcean Droplet.
 - Reaction: Trello-like project management application built using React/Redux, a Node.js/Express RESTful API, and MongoDB.
 - ContactsApp: a simple contacts app built using vanilla JavaScript, Node.js/Express and PostgreSQL. Deployed on Digital Ocean Droplet using Nginx as reverse Proxy.
- 2014 – 2020 **Music Therapist, Centrica Care Navigators and Self-Employed**
- Planned, delivered, and documented evidence-based music therapy treatment for clients including children, young adults with disabilities, and hospice patients as part of an interdisciplinary team.
 - Taught music therapy training courses at the university level

EDUCATION

- 2020 – 2022 **Launch School, Software Engineering** 🌐
Multi-year, full-stack software engineering curriculum emphasizing mastery of core development skills and programming fundamentals.
- 2010 – 2015 **Western Michigan University, MM (Music Therapy) - GPA: 3.9**
Conducted research and authored Master's thesis | Received board certification in Music Therapy | Taught independently as a graduate teaching assistant
- 2000 – 2005 **University of Maryland, BA (Music) - GPA: 3.7**
Included 3 semesters as C.S. Major (C++, Linear Algebra, Discrete Mathematics)