Iuliu Pop

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PROFILE

A full-stack software engineer that overflows with curiosity and loves solving challenging problems. I've designed and built solutions using the JavaScript, Ruby and Golang ecosystems. I recently created Hypha (teamhypha.com ⌐), an open-source observability framework for distributed systems.

PROFESSIONAL EXPERIENCE

2022 – 2022 **Co-creator, Software Engineer,** *Hypha* ⌐
- Created Hypha, which makes debugging distributed systems easier by correlating logs and traces in a single tool
- Built a telemetry data pipeline for generating (OpenTelemetry), processing (OTel Collector, Jaeger, Loki), storing (Elasticsearch & MinIO), and visualizing (Grafana) logs and traces
- Led front-end development of simplified user interface that wraps Grafana
- Developed Hypha Agent script to automatically install and configure OTel Collector to collect logs and traces
- Containerized backend services using Docker (network, images, docker-compose)
- Automated deployment to AWS ECS on Fargate with Docker Compose ECS integration
- Increased system scalability by splitting services into read/write/store components using Nginx reverse-proxy for service discovery
- Tested Hypha infrastructure locally and in a distributed microservice architecture
- Co-Authored Hypha's case study: https://teamhypha.com/case-study ⌐
- Collaborated with a remote team of 4 engineers, including daily standups and pair programming

2019 – 2021 **Software Engineer,** *Self-Employed*
- Projects & technologies used during this time:
- Rekwestbin - An application for receiving & debugging webhooks deployed to AWS (Golang, EC2, CloudFormation, Nginx)
- Reaction - Trello-like collaboration app (MongoDB, Express, Node.js, React, Redux)
- Effortless - Browser extension that helps you stay focused when interacting with the Web (Javascript, Webpack, Cypress.io)
- Slack Web Scraper - A web scraper configured to scrape and parse posts from Slack. (Javascript, Puppeteer, Jest)

SKILLS

Back End (Node.js, Ruby, Golang, Express, PostgreSQL, MongoDB, RESTful APIs),
Front end (JavaScript (ES6), React/Redux, HTML/CSS, Jest, Cypress.io),
Tooling (Git/GitHub, Docker, Linux, OpenTelemetry, Grafana, Heroku, AWS EC2)

EDUCATION

2020 – 2022 **Software Engineering,** *Launch School*
Multi-year full-stack software engineering curriculum. Emphasizes taking the slow path to master programming fundamentals - https://launchschool.com/employers ⌐

2016 – 2018 **Electronics Engineering Technology,** *Dawson College*

INTERESTS

Software Crafters Montreal Co-Organizer
- Organized and ran beginner workshops on TDD, refactoring and mob programming.