Christopher Perkins

Software Engineer

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Technical Experience

Creator, Software Engineer, *Reverb* 🔗   Jan 2024 – present

Reverb is an open-source event-based asynchronous workflow engine that orchestrates complex, multi-step background jobs in a distributed manner.

- Implemented a wrapper around CDK core methods, reduced an 152 step AWS deployment to one command
- Containerized server code for local testing and deployment to AWS cloud infrastructure (Docker, ECS/Fargate)
- Created a standardized starter repository for custom user code, streamlining development processes, and published a NPM package for effortless replication with a single command
- Engineered Github Action to automate the deployment of custom user code, leveraging lambda invocation for seamless execution. This streamlined a previously cumbersome four-step process into an automatic workflow triggered by Github pushes
- Developed a versatile CLI tool to seamlessly interact with Reverb's REST APIs, facilitating efficient log filtering and searching. Additionally, encapsulated the CDK project for streamlined deployment, consolidating all relevant commands into a single, accessible location. (OCLIF)
- Authored technical case study 🔗

Software Engineer, *Open Source Projects*   Jan 2019 – Jan 2024

Developed various open-source applications.

- *HTTP Hoarder*: A tool for inspecting webhooks and HTTP requests (Express.j, PostgreSQL, MongoDB)
- *HTRB*: Ruby library that provides a domain specific language for hypertext templating similar to JSX
- *Blink Out*: Web based game of turning off lights in a 6x6 grid (Sinatra, PostgreSQL)
- Designed and fabricated various hardware projects with embedded programming

Deskside Technician, *Stefanini*   Dec 2021 – Jan 2024

Provided front-line technical support on-site at Nike's logistics operations, ensuring smooth productivity through swift issue resolution.

- Engineered software to detect duplicate print jobs on a Zebra ZT610, streamlining problem ticket diagnosis.

Skills

Backend (*Node.js, Ruby, Golang, C#, .NET, PostgreSQL, MongoDB, Restful APIs, Express, Sinatra, Jest, Minitest*)

Frontend (*JavaScript, TypeScript, React, CSS, HTML*)

Other (*Git/Github, Docker, Nginx, AWS (EC2, ECS/Fargate, Lambda, CloudFormation, CDK, S3, IAM, RDS), DigitalOcean Droplets, Postman*)

Certificates

CompTIA Network+ | CompTIA Security+