Christopher Perkins

Software Engineer

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Skills

Backend
Node.js, Ruby, Golang, C#, .Net, PostgresSql, MongoDB, Restful APIs, Express, Sinatra, Jest, Minitest

Frontend
Javascript, Typescript, React, CSS, HTML

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

Certificates

- CompTIA Network+
- CompTIA Security+

Technical Experience

Creator, Software Engineer, *Reverb* ↗
2024

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

- Containerized server code for local testing and deployment to AWS cloud infrastructure (Docker, Compose, ECS/Fargate)
- Implemented a wrapper around CDK core methods, reduced an 152 step AWS deployment to one command
- 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. (Node.js, Typescript, OCLIF)
- Collaborated with an International team of four engineers asynchronously via daily standups and mob programming (Git/Github, Slack, Trello)
- Authored technical case study ↗

Software Engineer, *Open Source Projects*
2022 – 2024

Developed various personal and open-source web applications.

- *HTTP Hoarder*: A tool for inspecting webhooks and HTTP requests (Node.js, Express, PostgreSql, MongoDB)
- *HTRB*: Library that provides a domain specific language for hypertext templating similar to JSX (Ruby)
- *Blink Out*: Web based game of turning off lights in a 6x6 grid (Ruby, Sinatra, PostgresSql)

Deskside Technician, *Stefanini*
2021 – 2024

Provided front-line technical support in 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.

Other Experience

Department Manager, *Walmart*
2007 – 2021

Led an eight-member team in Entertainment, driving security, inventory management, and shrink reduction aligned with store goals.