

JASCHA EPHRAIM

Lead Software Engineer and Engineering Manager

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TECHNICAL EXPERIENCE

- Architected and implemented cloud-based applications in both AWS and GCP utilizing serverless functions, event queues, messaging services
- Managed infrastructure using Terraform, Kubernetes, observability platforms
- Designed and built robust REST and GraphQL APIs
- Built CLI tools, CI/CD pipelines, Ethereum smart contracts, AI toolchains
- Developed frontend component libraries and applications using React, Vue, Svelte, data visualization libraries such as D3, and WebGL shaders

MANAGEMENT EXPERIENCE

- Designed standards and processes for individual engineering teams and entire departments
- Worked closely with product and sales departments to architect solutions, translate product requirements into engineering requirements, and itemize, prioritize, and sequence tasks
- Performed hiring for management, full-time, and contract positions
- Maintained relationships with multiple overseas staffing agencies
- Conducted one-on-ones with direct reports, collected and delivered feedback, facilitated the pursuit of technical and career goals and performance improvement
- Coordinated with leadership to resolve any immediate issues and to shape long-term engineering and business strategy

EMPLOYMENT

Toolkit AI: Software Engineer (temporary contract)

2023

Rapid prototyping and release of AI-assisted productivity tools using OpenAI and LangChain. Architected and managed AWS infrastructure for fully automated deployment of AI-generated Lambdas. Built and maintained web application APIs, NPM packages, CLI tools.

Infuse: Director of Engineering

2019-2022

Resourced and led a department of 20-25 full-time and contract engineers. Architected and estimated projects in cooperation with sales and clients. Platforms included iOS, Android, Clover POS devices, web. Using Node, TypeScript, React, Java, Android Studio, Truffle Framework, Firebase, Python, Tensor Flow, AWS, GCP.

Gifs.com & Gems: Software Engineer

2017-2018

Full-stack development and devops for browser-based image/video editor, including implementation of server-side video processing. Designed, developed, and deployed Solidity contracts and full-stack web application for the Gems ICO and microtask platform. Using Node, Go, React, GCP, Kubernetes, Truffle Framework, Firebase.

Cargomatic: Software Engineer

2016

Full-stack development—specializing in backend—of a scalable shipping platform, including web and mobile clients, real-time location tracking, billing, operations administration, exception ticketing and resolution. Built using Node.js, Go, React, AWS.

UC Merced: Research Programmer

2010-2011

Programmed and executed experiments according to specifications involving mouse tracking, eye tracking, timed responses. Using Java and E-Prime. Designed and developed departmental websites, proofread scientific journal submissions addressing spatial analysis of environmental LIDAR data.

EDUCATION

University of the West: MDiv Buddhist Chaplaincy

2012-2015

University of California, Merced: BS Cognitive Science

2010-2011

High Honors, Dean's List, Chancellor's List

VOLUNTEER WORK

Hack the Hood

2023, 2018

Mentor high school- and college-aged students as they complete technical training programs and enter the job market.

East Bay Connection

2020

Provided meals and harm reduction supplies to residents of encampments in Oakland.

Calipatria State Prison

2014-2015

Served as a volunteer Buddhist chaplain.

Learning Works

2014

Tutored Los Angeles high school students.