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James Ward

Level 13 Software Engineer

EXPERIENCE POINTS

Software Engineer HumanFirst

October 2020 — Current

Building software to enable safe, effective, and equitable healthcare operations at home.

- Developed best practices for both the Typescript backend and React frontend as well as automations to keep the team aligned to those practices.
- Led the engineering team to SOC2 and HIPAA readiness via creation of disaster recovery plans using infrastructure as code, incident preparedness playbooks, and features to support the principles of least privilege.
- Kept the engineering team's technical strategy aligned with business goals to deliver products driven by both data and user feedback - from the first lines of code of our public API to delivering lines of features that closed sales.

Co-Founder Common Room

January 2020 — August 2020

Brought together an engineering team to build a novel community engagement product, setting the cultural and technical vision for the company.

- Create React Native & React Native Web frontend for the user and end-user portions of the flagship community product utilizing React Hooks and CSS-in-JS.
- Built NodeJS backend APIs and infrastructure to support rapid product feature iteration, rolling atomic deployments, as well as the ability to scale from 100 members to 100,000.

Senior Engineering Manager Venmo

October 2018 — December 2019

Organized the Platform as a Service team - developing the mission, vision, capabilities, and roadmap to encourage a high performing team with a strong sense of ownership.

- Develop cross-functional initiatives migrating Venmo to a distributed architecture.
- Provide technical leadership to bring service reliability from 90% to 99.999% - from 73 hours to less than 30 seconds of downtime per month.
- Coordinate multiple D&I recruiting initiatives to improve representation of traditionally underrepresented groups in the Venmo hiring pipelines.

Co-Founder Forkbombus Labs

November 2015 — September 2018

Understanding the human element behind threats to manage the risks they pose.

- Built the Hivemind deception and threat intelligence platform using Node, Kafka, Tensorflow, Postgres, and Elasticsearch to support real-time personalization encouraging intruders to engage so they could be fingerprinted and tracked.
- Assisted both domestic and international law enforcement agencies on cybercrime cases, leading to the discontinuation of malicious activity against 10,000+ of victims.

TOOLS I ENJOY

Java

Spring, Hibernate, Dropwizard,

Storm, Spark

PHP

Laravel, Symfony

SQL

MySQL, T-SQL, PostgreSQL,

CockroachDB

Cobol

COBOL-85

Pascal

Delphi

Python

Django, AsyncIO, Twisted,

Pandas, Flask, Keras, Tornado,

Celery, Heron

Infrastructure

Linux, Terraform, Pulumi,

Kubernetes, Docker, Helm,

Puppet, Chef, AWS,

Cloudformation

Javascript

Typescript, ES.Next, nodeJS,

Webpack, Koa, Express,

Tensorflow.js, React, Expo,

React Native

NoSQL

HBase, MongoDB, DynamoDB,

Redis, DynamoDB, Cassandra

CSS

CSS3, SASS, LESS

Perl

Mojolicious, CGI

C++

Boost

C

C11, C99, CMake