

Zachary McKenna

Software Engineer

Contact

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About

Zack hails from Philadelphia. He has a background as a Sound/Projection Designer and Engineer in the theater industry, and enjoys rock climbing, biking and board games.

Profiles

LinkedIn

[Zack McKenna](#)

SoundCloud

[zmckenna](#)

Github

[zackmckenna](#)

Work

Comcast

Feb 2021 – Present

Software Engineer 2

corporate.comcast.com

Built and created applications to help engineers manage Comcast's network infrastructure.

Highlights

- Built a serverless application that runs tests on all modems in Comcast's network to determine Docsis 3.1 capabilities and identify potential network interference.
- Built an automation tool/API to automate the process of generating infrastructure in Sunbird DCIM.
- Created robust integration tests to run daily and ensure iHat was running as intended.

Prosoft Clinical

Dec 2020 – Feb 2022

Frontend Developer

prosoftclinical.com

Worked on a digital document input overlay engine in order to allow digital data input for PDF documents.

Highlights

- Built out the interface for users to overlay html inputs over pre-existing PDF documents.
- Required complex x/y positioning and scaling code to ensure that inputs scaled correctly with document when windows were resized.
- Handled complicated application state in Vue to keep track of a large amount of inputs and input conditions.

Zero Projects

Sep 2020 – Dec 2020

Software Developer

www.zeroprojects.ca

Developed an API for a client in order to consolidate, store and organize social media data for clients.

Highlights

- Created a workflow to pull data from Twitter, Facebook and Instagram API's, cache/organize it, and present it to the frontend developer.
- Generated data points and analytics from the data, such as correlating page views and likes with frequency of posts.

Urality

Nov 2020 – Dec 2020

Frontend Developer

www.urality.com

Worked on the frontend React client. Focused on optimizing load and rendering times. Converted designs from UX/UI engineer to code.

Highlights

- Optimized and fixed issues related to misuse of React hooks and rendering lifecycle.
- Handled tickets related to React client.
- Converted website from a slow Wordpress site to a speedy Gatsby site delivered via CDN using Netlify. So fast!

Education

Arcadia Univesity

Sep 2009 – May 2013

Communications/Philosophy

www.arcadia.edu

Bachelor

Projects

iHat

Jun 2022 – Nov 2022

Team Lead, Developer, Top Contributor at Comcast

The In Home Assesment Test

Highlights

- Handled jobs for all modems connected to the Comcast network
- Scaled from small batches of jobs in development to hundreds of thousands in production within a year.

- Built using AWS serverless services for scalability, speed and costs efficiency

DC Track Automation

Oct 2022 – Dec 2022

Architect, Developer at Comcast

Application for automating inventory management in Sunbird DCIM

Highlights

- Dynamic GraphQL Schema that can add new mutations automatically based on S3 file contents.
- Automates 20+ points of manual data entry per device created.

Awards

KCACTF National Award In Sound Design

Jun 2013

Awarded by KCACTF

Award for sound design and music composition for Alive!

Publications

Simplifying Step Functions

Jun 2022

Published by SST

youtu.be/6FzLjpMYcu8?t=4342

Simplifying AWS Step Functions using SST and AWS CDK

Skills

Node Application

Development

Node.js

Typescript

Functional

Dev Ops

Github Actions

Concourse

Docker/K8s

Frontend Development

React

HTML

CSS

AWS

Step Functions

Lambda

SQS

Languages

English

Native speaker

Interests

Rock Climbing

Sport

Bouldering

Board Games

Deck Builders

Social Deduction

Engine Builders

Video Games

Overwatch

Slay the Spire

Satisfactory