Nathan Classen
Software Engineer — Denver, CO

918 899 5352 | hayesclassen@gmail.com | https://www.linkedin.com/nathanclassen

TECHNICAL EXPERIENCE

Software Developer II - TechInsights   **June 2020 - Present**
- Took lead in developing Golang micro-service for integration with Salesforce Pardot, which handles hundreds of daily user interactions; created Golang Pardot client package
- Developed Lambda micro-service, deployed as Docker image on AWS ECR to handle thousands of concurrent on-the-fly image resize jobs at scale
- Implemented migration to transfer millions of legacy files from remote servers to data lake on AWS
- Work remotely with full-stack Agile team to maintain, develop, and test backend Java, Golang, and Node services, supporting platform with thousands of daily users

Co-creator, Software Engineer - Bento   **January 2020 - June 2020**
- Bento is an event driven, serverless video transcoding pipeline
- Utilize AWS Lambda functions to fan out transcoding jobs to hundreds of concurrently executing containers
- Cut time to transcode by 90% when compared with single server running transcoding software, and 50% when compared with Amazon MediaConvert
- Built solutions and solved race conditions related to high concurrency by tracking state within DynamoDB and streaming events to achieve event-driven architecture
- Set up deployment of AWS resources with Serverless framework
- Created user dashboard with React for clean UI and simple UX
- Co-Authored detailed case study describing the Bento pipeline and the engineering challenges of serverless architectures. bento-video.github.io

Personal Work   **June 2017 - October 2020**
- Cantor: Designed, developed, deployed Cantor; a React Native mobile app which facilitates singing of the Psalter.
  - cantorpsalms.app
  - automated deployments to App Store and Google Play using Fastlane
- Pellow: Project management software built with React/Redux and Rails back-end
- Postit!: A Reddit clone built with Rails and PostgreSQL
- Check_: Personal organization tool built with Sinatra, PostgreSQL, and Handlebars.js

EDUCATION

Launch School   **Summer 2017 - Spring 2020**
A rigorous software engineering school with a multi-year curriculum written for professional-grade engineering, focused on teaching the fundamentals of engineering through a master-based pedagogy.
https://launchschool.com/employers

Tulsa Community College   **Summer 2013 - 2017**
General studies focused on obtaining a BS in Architectural Engineering.

TECHNICAL SKILLS

- Java, **Golang**, JavaScript, **SQL**, Ruby, **Typescript**, HTML/CSS
- **Serverless Framework**, BitBucket Pipelines, **Docker**, React, **PostgreSQL**, Spring, **Linux**
- **AWS Suite**: Lambda, **S3**, SNS/SQS, **DynamoDB**, ECS, **SecretsManager**, Cloudwatch