

Nathan Classen

Software Engineer – Denver, CO

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TECHNICAL EXPERIENCE

Software Developer - TechInsights

June 2020 - Present

- Work remotely with full-stack Agile team to maintain, develop, and test backend Java, Golang, and Node services, supporting platform with thousands of monthly users
- Took lead in developing Golang micro-service for integration with Salesforce Pardot, which handles hundreds of daily user interactions. Developed Pardot Golang client package
- Developed Java application to migrate terabytes of data from remote servers to data lake on AWS
- Developed image viewers for new content platform used by thousands of customers worldwide, written in Angular

Co-creator, Software Engineer - Bento

January 2020 - June 2020

- Bento is an event driven, serverless video transcoding pipeline
- Built using AWS Lambda functions to parallelize video transcoding jobs
- Cut time to transcode by 90% when compared with single server running transcoding software, and 50% when compared with Amazon MediaConvert
- Built solutions to problems related to concurrency by tracking state within DynamoDB
- Handled race conditions by introducing and consuming database stream events
- 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

- **Cantor:** Designed, developed, deployed Cantor; a mobile app which facilitates singing of the Psalter.
 - [cantorpsalms.app](#)
 - Built with React Native
 - Set up deployment to App Store and Google Play using Fastlane

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