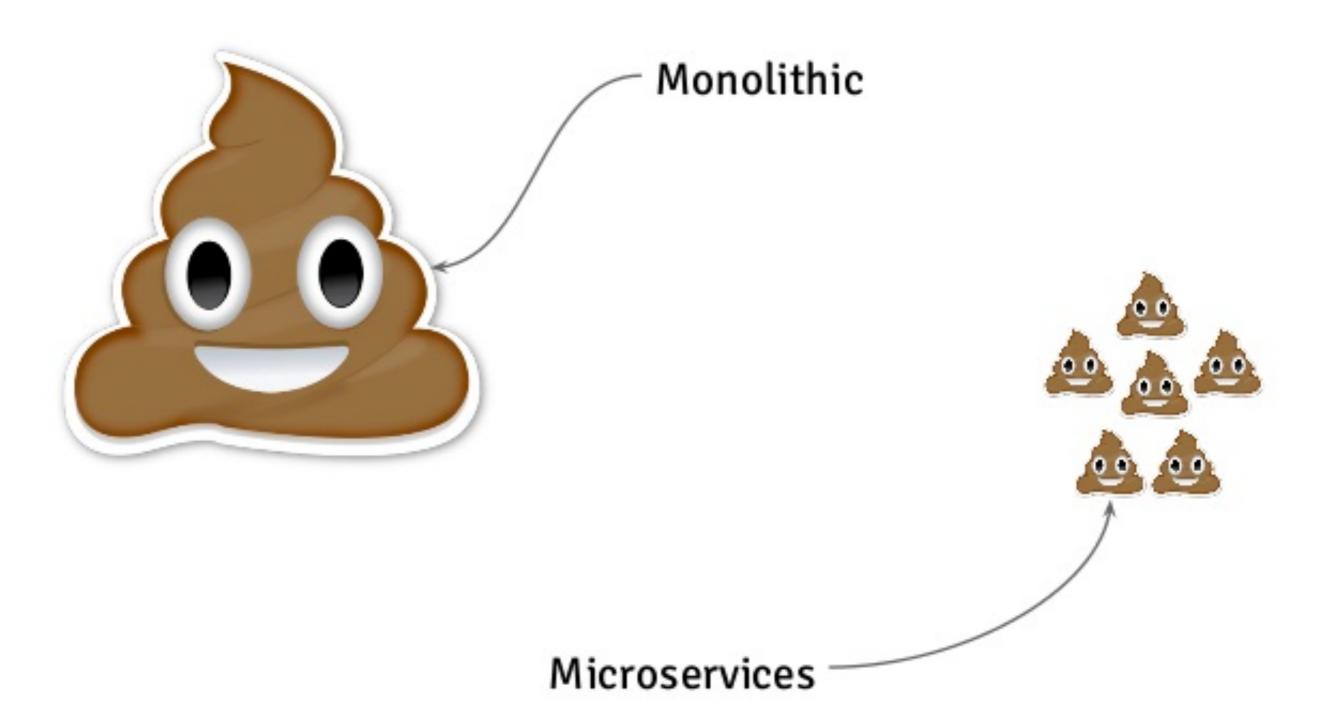
Node.js Microservices

Travis Nelson Moonsault Software

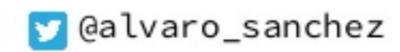
HTML5 Denver Monday, March 20, 2017

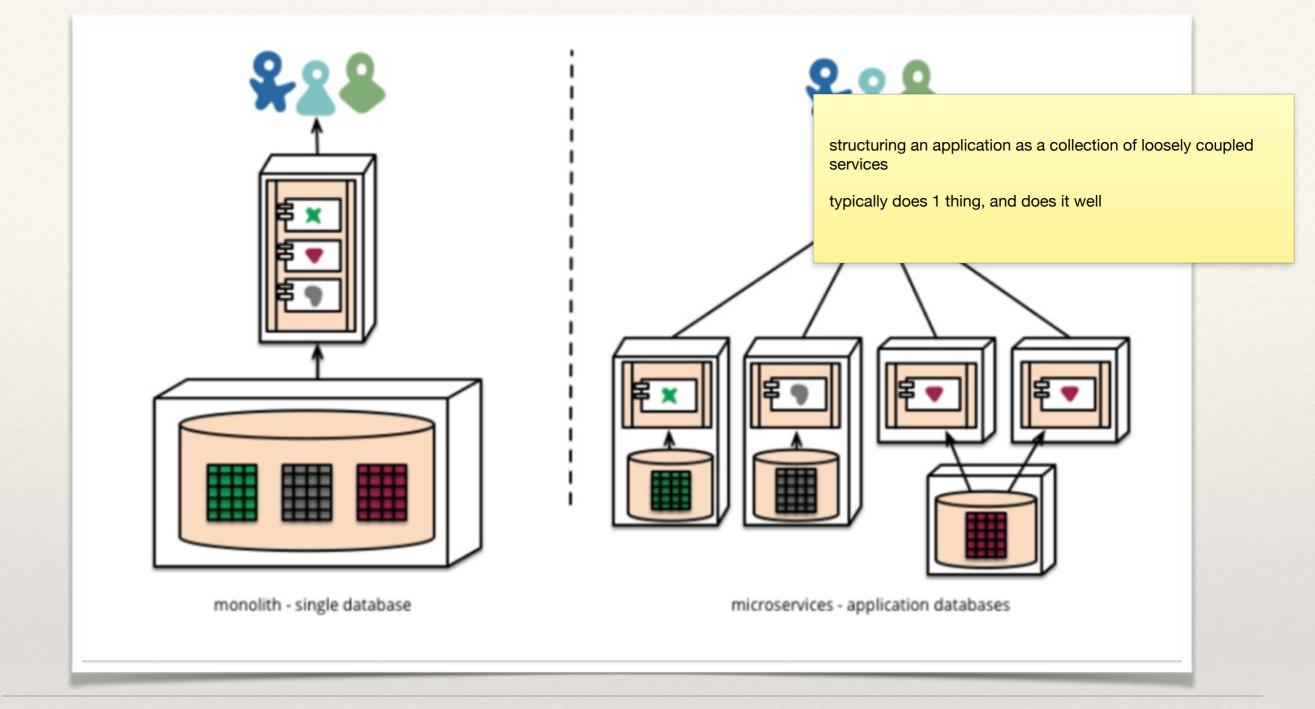
What are microservices?

Monolithic vs Microservices









Monolith vs Microservice

Source: Martin Fowler blog

Benefits of Microservices

- * Developer independence
- Scalability
- * Right tech stack for each service
- * Fault isolation
- Easier for a developer to understand
- * Not working -> rewrite it!

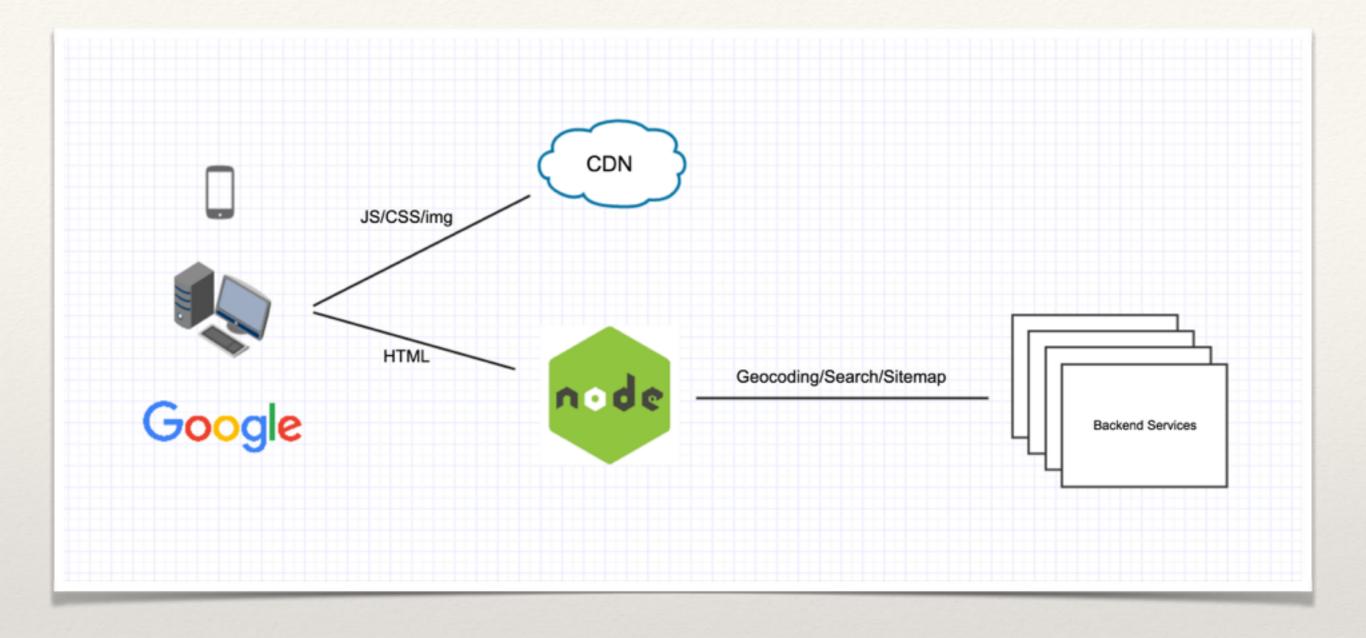
Advantages Node.js?

- * Event-driven, non-blocking great for async calls
- * Lightweight and efficient
- * 400,000+ packages available on npm
- * Everyone knows a little JavaScript

Successful Node.js Microservices

Insurance Locator

- * Find an agent near me
- * SEO
- * over 1 million pageviews/month

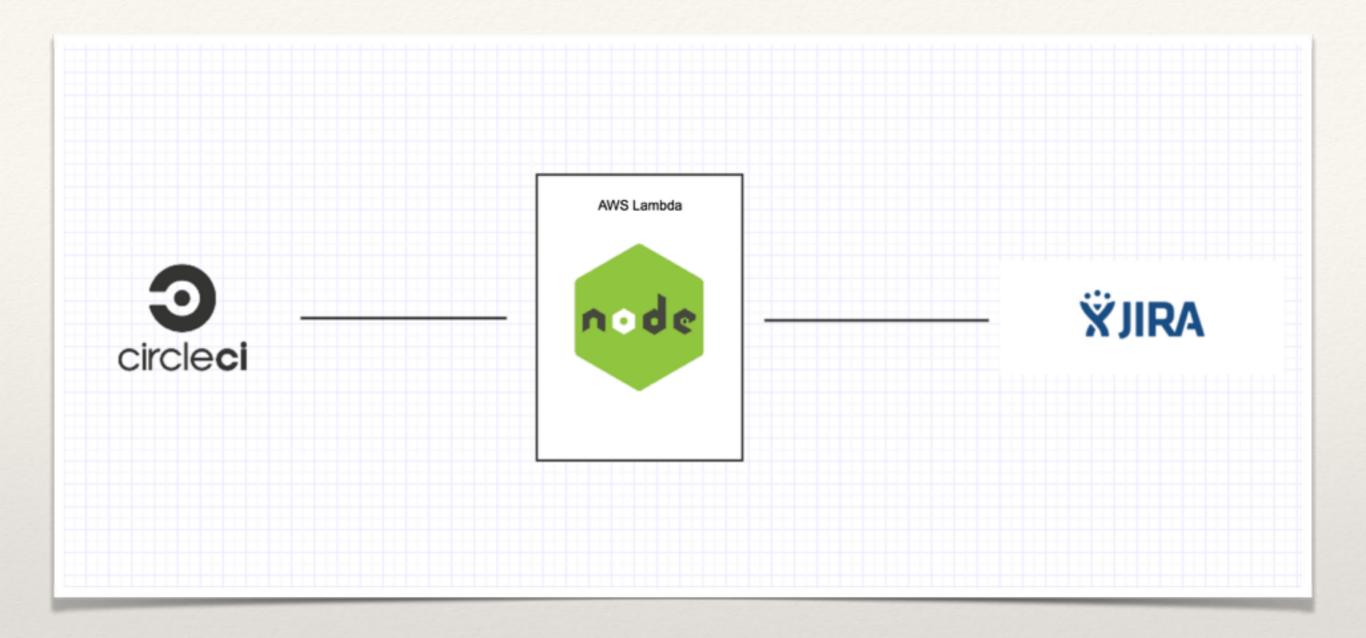


Insurance Locator

- * Template and routing engine
- * Assets served from CDN
- * AWS Elastic Beanstalk

Workflow Automation Utility

- * Needed a services that transitioned and tagged Jira tickets.
- * Sits idle most of the time

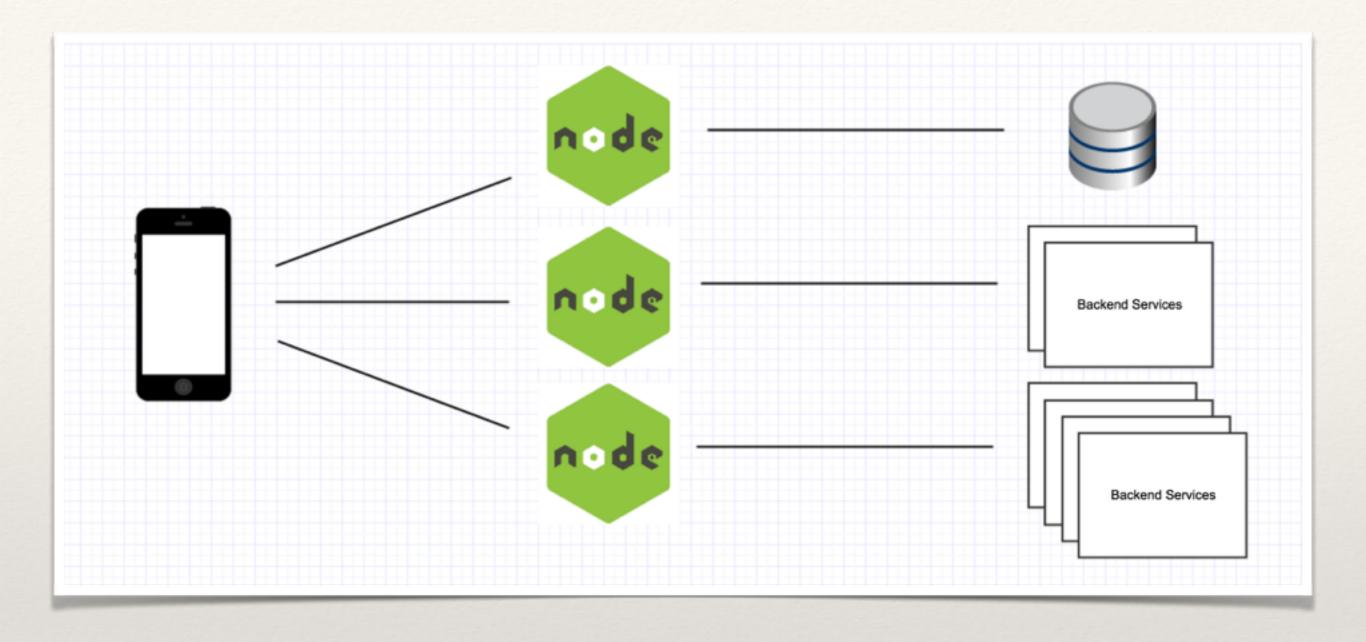


Workflow Automation Utility

- * AWS Lambda
- * npm jira module

Energy Company App

- API aggregator of backend enterprise services
- * Changes can be made easier than deploying a new app to App Store/Google Play



Energy Company App

- * Business Logic
- * Security

Challenges with Microservices

- Operations and Infrastructure
- * Fault Tolerance
- * Monitoring
- * Security
- Dev Environments

What works for you?

Learn more about microservices at Denver Microservices Meetup:

meetup.com/DenverMicroservices