



Summary

I'm a software engineer with experience developing serverless, globally distributed cloud applications.
I recently built Seymour (seymour-active-monitoring.github.io) , an active monitoring solution on Amazon Web Services.
Prior to this I founded and grew businesses in the foodservice space, one of which was a franchise across 14 states.

Technical Projects

Co-Creator, Software Engineer *Seymour (seymour-active-monitoring.github.io)* 2022 – present

Seymour is an open-source globally distributed active monitoring solution deployed to AWS that specializes in synthetic API testing

- Architected and constructed a globally distributed approach to schedule API tests using AWS Lambda, EventBridge, SNS, SQS, Elastic Beanstalk, and Amazon RDS
- Developed a multi-region parallel approach to running tests to hit API endpoints and compare the response to configured assertions by utilizing serverless architecture
- Reduced serverless system load by leveraging custom message attributes with Amazon Simple Notification Service (SNS) topic subscription filtering
- Built full system multi-region automated deployment of Seymour Amazon resources by utilizing AWS Cloud Development Kit (CDK) to implement Amazon CloudFormation
- Bypassed CDK deployment limitations by employing AWS SDK at runtime to connect resources across different regions
- Authored comprehensive technical case study, readable at: seymour-active-monitoring.github.io/case-study 

Full Stack Web Developer *Self-employed Crucis Capital & Launch School Experience* 2018 – present

- Implemented open-source software with technologies such as Node.js, Express, PostgreSQL, Docker, JavaScript (ES6), React, MongoDB, HTML, and CSS
- Developed long/short hybrid swing trading program in C# for the NinjaTrader ecosystem
- Authored 20+ financial market indicators and short-term automated trading strategies
- Trelloha - Trello-inspired Kanban board for project management built with React, Redux, Express, MongoDB, and Node.js. Enables creating, editing, and deleting boards, lists, and cards
- Snaggl - RequestBin-like tool for webhooks. Built w/ Node.js, RESTful Express API, React, MongoDB deployed DO Droplet via SSH

Professional Experience

Co-Chief Executive Officer *Self-employed, Pelican's SnoBalls* 2011 – 2018

- Spearheaded aggressive company growth from 85 franchisees to 176 over a two-year span
- Orchestrated geographic expansion into 7 new states
- Developed both franchise and business legal strategy from inception for franchise system in 14 states
- Established financial infrastructure, processes, and controls from inception for 2 separate legal entities
- Launched a nationwide digital and print rebranding campaign for 164 locations
- Initiated franchise core-process documentation by developing a comprehensive owner's manual
- Founder and Operator: Early-stage franchisee for 2 locations in Durham, NC

Education

Software Engineering & Full Stack Web Development *Launch School* 2021 – 2022

BA Graphic Design, Cum Laude *California State University East Bay* 2007 – 2009

Skills

Languages and Frameworks

JavaScript (ES6), Node.js, Go, Express, React, Redux, PostgreSQL, C# (prior experience), MongoDB

Cloud

AWS Lambda, AWS SQS, AWS SNS, AWS IAM, Amazon EventBridge, AWS Elastic Beanstalk, AWS Cloud Development Kit (CDK), Digital Ocean, AWS Relational Database Service

Other Technologies

HTTP, REST, APIs, Git/GitHub, MVC, Event-Driven Architecture, Docker, Adobe Suite, Linux, HTML, CSS