

Summary

I'm a software engineer with experience developing serverless, resilient, and efficient cloud applications.
I recently built Seymour, an open-source active monitoring solution for testing API endpoints that is deployed to AWS.
Prior to this I founded and grew businesses in the foodservice space, one of which was a franchise across 14 states.

Experience

Co-Creator, Software Engineer	<i>Seymour (seymour-active-monitoring.github.io)</i> 	2022 – present
Seymour is an open-source globally distributed active monitoring solution deployed to AWS that specializes in synthetic API testing.		
<ul style="list-style-type: none">• Architected and constructed a globally distributed, parallel API test approach using AWS Lambda, EventBridge, SNS, SQS, Elastic Beanstalk, and RDS to simulate HTTP requests to API endpoints and compare responses against test assertions• Developed the full stack application using Node.js, PostgreSQL, React, Tailwind CSS, and AWS cloud computing services• Implemented a notification system that triggers messages via email, Slack, or Discord in the event of a failed test• Reduced system load by leveraging custom message attributes with AWS 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 • Collaborated with a remote team of 4 engineers distributed across the US and Europe		
Full Stack Web Developer	<i>Launch School Experience</i>	2021 – present
<ul style="list-style-type: none">• Developed open-source software w/ technologies such as Node.js, Express, PostgreSQL, Docker, JavaScript, React, MongoDB, HTML, and CSS• Trelloha: Trello-inspired Kanban board for project management built with Node.js, Express, React, Redux, and MongoDB• Snaggl: RequestBin-like tool for webhooks. Built w/ Node.js, RESTful Express API, React, PostgreSQL		
Trading Systems Developer	<i>Self-employed, Crucis Capital</i>	2018 – present
<ul style="list-style-type: none">• Created long/short hybrid swing trading program in C# for the NinjaTrader ecosystem• Authored 20+ financial market indicators and short-term automated trading strategies		
Co-Founder	<i>Self-employed, Pelican's SnoBalls</i>	2011 – 2018
<ul style="list-style-type: none">• Orchestrated company growth from 85 franchisees to 176 and into 7 new states over a two-year span• 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 150+ locations• Created franchise core-process documentation by developing a comprehensive owner's manual• Trained 100+ employees and/or franchisees in product, franchise, or business operations• Founder and Operator: Early-stage franchisee with 2 locations in Durham, NC		

Skills

Languages and Frameworks	Cloud	Other Technologies
JavaScript, Node.js, Express, React, Redux, PostgreSQL, Handlebars, Go, MongoDB, HTML, CSS, C# (prior experience)	AWS: Lambda, SQS, SNS, EventBridge, IAM, RDS, Elastic Beanstalk, Cloud Development Kit (CDK) DigitalOcean (Droplets), Heroku	HTTP, REST APIs, Git/GitHub, MVC, Event-Driven Architecture, Docker, Adobe Suite, Linux, Webhooks, SSH, Nginx

Education

Software Engineering & Full Stack Web Development	<i>Launch School</i> 	2021 – 2022
BA Graphic Design, Cum Laude	<i>California State University East Bay</i>	2007 – 2009