Miles Abbason *Software Engineer*

✉ miles.abbason@gmail.com   ✦ mabbason.com   in miles-abbason   ⦿ mabbason

I am a software engineer with experience developing 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, *Seymour* ⧉   04/2022 – present

Seymour is an open-source globally distributed active monitoring solution deployed to AWS for synthetic API testing.
- 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, *Self Employed*   02/2021 – 03/2022

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, *Crucis Capital, Self Employed*   06/2018 – 03/2022

- 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, *Pelican's SnoBalls*   01/2011 – 05/2018

- Orchestrated company growth from 85 franchisees to 176 and into 7 new states over a two-year span
- Established business infrastructure, processes, and controls + core-process documentation
- 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
JavaScript, TypeScript, Node.js, Express, React, Redux, Golang, C#, SQL, HTML, CSS, Jest, Handlebars

Cloud
AWS: Lambda, SQS, SNS, EventBridge, IAM, RDS, ElasticBeanstalk, CDK, DigitalOcean (Droplets), Heroku

Other Technologies
PostgreSQL, MongoDB, Nginx, Git, Github, HTTP, REST APIs, Docker, Adobe Suite, Linux, Webhooks

🎓 EDUCATION

Software Engineering, *Launch School (Capstone)* ⧉   2021 – 2022

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