

Christopher Cowen

Sr. Software Engineer

 cacowen@gmail.com  (573) 576-6239  github.com/cacowen  linkedin.com/in/cacowen












Languages

 C#  SQL  NoSql  HTML  CSS  JavaScript  TypeScript  NodeJs

Frameworks

 MVC  Blazor  KnockoutJS  Angular  React  VueJS  Kendo UI  Bootstrap  Docker

Services

 AWS  Lambda  Cognito  DynamoDB  S3  CodeDeploy  Azure  DevOps  Github  Jira (Agile)  Jenkins

Experience



Sr. Software Engineer | Westlake, TX | April 2017 - Present

- Broke up a monolith application into multiple dockerized microservices with specific back-ends and modular UIs.
- Converted multiple Razor, Knockout, and Angular pages into React improving page load times and responsive behavior.
- Utilized AWS infrastructure: S3, DynamoDB, Lambda, Elasticsearch, Kubernetes, RDS to reduce server load and increase performance.
- Created CI/CD pipelines with Github and Jenkins for automatic deployments to various environments based on branch naming.
- Adopted Agile methodologies to quickly deliver high quality testable code. I was part of the best performing team in the company.



Sr. Software Engineer / Architect | McKinney, TX | March 2013 - March 2017

- Lead developer and architect in a startup environment with only a handful of developers.
- Made decisions on software and technology used in the system.
- Played the role of Architect, DBA, Developer, Designer, Tester, and more.
- Full stack workload from database, back-end APIs, front-end UIs to mobile apps and metric dashboards.



Software Engineer | Allen, TX | April 2011 - February 2013

- Created in-house software and tools used by insurance agents to fulfil clients' needs.
- Built out the online application using newest technologies and practices.
- Integrated with big insurance carriers (The Hartford, Travelers, Philadelphia, Farmers, etc.) to get real-time quotes for clients.
- Automated creation of standard insurance PDF documents on demand.

Other Side projects



Helped to create and maintain a mental health assessment software package for this startup business. This package is unique in that it uses a completely serverless approach via the AWS infrastructure with a CI/CD pipeline using CodePipeline, lambda functions behind an API gateway for the endpoints, DynamoDB tables for data storage, Cognito user pools for authentication, and S3 behind CloudFront for the UI using Blazor applications. The application shrinks to nothing when not in use saving thousands of dollars and can instantly scale on demand to accommodate millions of users.



Continued work for AssessMD as needed maintaining client relationships, code maintenance, and training.



Helped to create special functionality for this Debt Relief platform as well as integrate the landing page forms with Salesforce. Mostly created custom JavaScript/HTML/css widgets for use in their wordpress pages.



Worked with a team of contractors to move from outdated testing methods to automated regression, unit, and integration tests for testing the large scale loan origination software package.

Education



Master of Science
Technology Management | 2006 - 2008

Technology, Management, Education, Teaching, Training. I continued from my BS in Technology.

Bachelor of Science
Industrial Technology | 2004 - 2006

Electronics, Engineering, Process Control. I continued from my AAS in Telecommunications.

Bachelor of Art
Philosophy | 2004 - 2006

Religion, Logic, Ethics. I obtained this degree for fun.