

## Connor Moynahan

connor.moynahan@gmail.com | 703.994.1421

[ConnorMoynahan.com](http://ConnorMoynahan.com) | Richmond, VA

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### Technical Experience

#### *Languages/Frameworks*

Javascript, Node.js, React.js, Golang, Vue.js, HTML, CSS, Java, Python, Bash

**Cloud:** 7+ years AWS, 1+ years Azure

**Misc:** Docker, Kubernetes, Jenkins/CICD, PING suite, SAML/OIDC

**Certifications:** AZ-300 Microsoft Azure Architect Technologies Exam - Nov 2019

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### Work Experience

#### **Senior Software Engineer, West Creek Financial - Ecommerce:** January 2021 - present

- Architected secure integration pattern for vendors to utilize West Creek for Lease to Own financing, while staying within vendor's domain. Provided analysis for potential security enhancements / vulnerabilities to leadership.
- Designed/coded public facing SDK for ease of vendor integration
- Owner of both Ecommerce UI React applications. Responsibilities include: approving MRs, grooming stories, implementing features, creating/managing AWS infra, creating CICD pipelines.
- Owner of GraphQL golang API. Primarily focused on security, while promoting re-use between vendor integrators and our hosted ecommerce UIs
- Designed and implemented external integration from backend golang service and frontend UI to third party APIs, while hosting keys in a secure manner.
- Worked as liaison to educate and assist potential vendors looking to integrate with West Creek
- Wrote public facing documentation to comprehensively explain key facets of West Creek ecommerce workflow.
- Interviewed and recruited potential new hires.

#### **Staff Software Engineer, General Electric - Identity:** January 2019 – January 2021

- Redesigned Java SSO Password API to remove Siteminder dependency and to directly update password in Ping Directory
- Created new SAML/OIDC SSO self-service portals using Vue.js with Vuetify component library. Emphasizing removal of security vulnerabilities present in last gen apps.
- Architected/Designed several containerized microservices for the Dynamic Authentication Service project (GE SSO Replacement)
- Created DevOps pipelines using a combination of AWS Codebuild, AWS CodePipeline, AWS Lambda, Docker, and AWS Fargate to test/deploy code into live environment upon Github branch merge
- Instituted requirement for working Cloud Formation Templates to maintain Infrastructure as Code (IaC) prior to story completion
- Designed/coded RESTful APIs using node.js with koa.js/express.js/hapi.js web frameworks

- Worked on PING Simplification effort to move to a redesigned Ping Identity Stack. Interfaced with Ping Engineers, business leads and security team to enable seamless transition of 1000s of applications to new SSO environment. Responsibilities included: created comprehensive documentation for Custom Login Screen owners to migrate to the new stack, designing log off solution, implementing password management settings and testing edge cases.
- Coded misc Java/PHP code fixes for legacy applications. Mainly to improve security or improve user experience.
- Improved agile processes
- Mentored Junior engineers, managed GitHub repos.

***Senior Software Engineer, Capital One - Small Business*** : September 2018 – January 2019

- Designed/coded the Credit Limit Increase functionality for Capital One Connect, an Angular/Node application enabling Small Business Owners to provide Capital One with their Quickbooks Online Data, in exchange for a credit limit increase
- Coded the data aggregate functionality, which categorizes data pulled from QBO into a more readily digestible format that analysts can mine
- Re-engineered an inherited Scala application that interacts with QBO APIs to retrieve/refresh/revoke access tokens, in order to implement a DynamoDB (replacing a Postgres db) and to streamline endpoints.

***Senior Software Engineer, Capital One - Consumer Credit Card***: February 2014 – August 2018

- Worked on in-house node CLI tool to generate AngularJs projects
- Moved CRWeb (agent lookup application used by 25,000+ users) from on premises infrastructure to the cloud.
- Architected/coded HTML publishing mechanism from Content Management to CRWeb. Uses S3, Cloudwatch monitoring, and multiple lambdas to implement
- Coded numerous features for CRWeb, and provided production support and assistance during disaster recovery simulations
- Designed DynamoDb strategy for the Servicing Events Hub. This hub stores kafka data streams, enabling easy retrieval via an enterprise-wide API.
- Code enhancements to Call Center agent user lookup software in .NET

***Testing Specialist, Capital One***: July 2012 - January 2014

- Integration Test Lead for Partnerships to IRIS project. Coordinated IRIS application testing efforts between Richmond and Chicago, represented testing progress to Senior Leadership and provided my signoff for releases
- QA resource for the feature team, ensured application was up to quality standards prior to release
- Received Certified Scrum Master Certification

***Process Manager, Capital One - Tech Development Program***, July 2011 - July 2012

- Facilitated Change Requests submitted by PMs needing an increase in scope, schedule, or budget, and ensured all accountable owners signed off on the request.

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## EDUCATION

Virginia Polytechnic Institute and State University  
B.S. in Business Information Technology, 2007 - 2011