WILLIAM MCCOTTER

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OBJECTIVE

Seeking full time Senior Software Engineer or DevOps Engineer position

SKILLS

- Python
- Angular
- DevOps CI/CD
- IaC (Infrastructure as Code)
- Agile
- Gitlab CI/CD YML
- GitHub
- GitHub Actions
- Dotnet (4.5 – 5)
- Dotnet Core
- Azure (Serverless deploy, Cosmos DB – Mongo)

PROFESSIONAL SUMMARY

A qualified professional working currently as a **Staff Software Engineer** for **Ad Hoc LLC** who focuses on CI/CD development, Full Stack Software Engineering, and a growing interest in data & machine learning. Strong individual with an automation first mentality, passion for programming, and have tremendous interpersonal skills.

EXPERIENCE

AD HOC LLC
Staff Software Engineer – Full Stack: Oct. 2022 – Present

- Researched and presented finding around WebAuthn and Passwordless Authentication
- Created multiple write ups, proof of concepts, and presentations to share my knowledge of the topic.
- Created a Slack bot to automatically archive channels that have been inactive for 60 days.
- Researching the pros and cons of how and why to use Salesforce in the government space.
- Kanban style team "small team just getting started."

Senior Software Engineer – Dev Ops: Sept. 2021 – Oct. 2022
- Worked on the underlying forms package of va.gov
- Took outdated react-json-schema-form that was forked from an older version and replaced it with a more modern framework like Formik.
- Contributed to the design of the new Automated Service Account Creation service that allows service accounts to be created and stored in Thycotic and Vault without any manual intervention.
- Created all the Github Actions for the team including Automated Test/Build/Deploy to NPM
- Automated Code Documentation using api-extractor

- AWS (Route 53, ECR, Fargate)
- GCP (Tutorials)
- Gitlab
- Certificates (Microsoft, Let's Encrypt, OpenSSI)
- TFS / Azure Pipelines
- Node.js
- PowerShell / Bash
- NGINX
- APACHE
- JSON
- SQL
- YAML
- TDD
- OOP
- JavaScript
- HTML
- CSS
- SCSS / SASS

PERSONAL LINKS

GitHub:
- github.com/bjmccotter7192

LinkedIn:
- linkedin.com/in/william-mccotter-455045188

- Worked in the new package to the monolith front end of va.gov and had to deal with React Router version issues, automated flakey tests, and build errors
- Increased the time to learn for the new system from a couple months to a couple weeks since Front End Engineers are way more familiar with React components compared to the JSON configuration building of react-json-schema-form
- Manage teams' performance and career growth plans to promote and build strong and efficient engineers.
- Agile cross functional team with 3 engineers, 2 designers, 1 product manager, and 1 dev ops engineer

VETERANS UNITED HOME LOANS
IT Team Lead: Feb. 2021 – September 2021
- Manages a team of systems engineers to produce and improve the infrastructure as code around the F5 load balancers, server provisioning, DNS, Certificates, and more.
- Migrating secondary datacenter and moving all productions applications over to new dc to improve stability of all systems.
- Contributed to the design of the new Automated Service Account Creation service that allows service accounts to be created and stored in Thycotic and Vault without any manual intervention.
- Team refactored and rewrote F5 automation to fit the new standards and worked alongside engineers to share legacy knowledge of current system.
- Manage teams' performance and career growth plans to promote and build strong and efficient engineers.
- Agile management style

Application Delivery Engineer: June 2019 – Feb. 2021
- Developed and maintained automated deployment of the F5 load balancers, server provisioning, DNS, Certificates, and more using Python Rest API and Angular 8+ web site.
- Used RabbitMQ to queue up new server requests
- Designing and implementing tools in containers using Docker/Buildah and used Gitlab as the registry, CI/CD

deployment, and issue management for our Agile team of engineers.

- Migrated to a new primary datacenter using automation tools to move all customer applications in a safe and efficient way.
- Deployed all apps to Kubernetes using Kubectl, Helm, and Rancher
- Agile team (sprints, retros, reviews)

Software Engineer (Full Stack): July 2016 – June 2019
- Designing and implementing ASP .NET web applications using (C#, SQL, Angular 2+, Html, CSS, JavaScript, XML, JSON, etc.)
- Rewriting legacy code to improve performance and maintainability
- Connected to RabbitMQ and SQL Server Broker
- Use of SQL and LINQ to manipulate and store data efficiently
- Using TFS (Team Foundation Server) to create builds and releases and also integrate our source control
- Agile Methodologies (Sprints, Standups, Retros, etc.)

HARRIS CORPORATION
Software Engineer (Java): Jan 2016 – July 2016
- Designed and implemented syntax for complex java servlets
- Knowledge in using JDBC and Tomcat services
- Creating test case documentation and running validation task for specific projects

NASA Wallops Island Flight Facility
IT Intern: Summer 2010 and Summer 2011

EDUCATION

University of Maryland Eastern Shore
Bachelor of Science in Computer Science (3.00 GPA)