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# WILLIAM MCCOTTER

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## OBJECTIVE

**Seeking full time Senior  
Software Engineer or DevOps  
Engineer position**

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## 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)
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## PROFESSIONAL SUMMARY

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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.

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## EXPERIENCE

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### AD HOC LLC

**Staff Software Engineer – Full Stack: Oct. 2022 – Present**

- Researched and presented finding around WebAuthn and password less 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- Took outdated react-json-schema-form that was forked from an older version and replaced it with a more modern framework like Formik.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.

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- 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
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#### PERSONAL LINKS

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##### GitHub:

- [github.com/bjmccotter7192](https://github.com/bjmccotter7192)

##### LinkedIn:

- [linkedin.com/in/william-mccotter-455045188](https://www.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**

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**EDUCATION**

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