

# MICHAEL WOOD

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## WORK HISTORY

04/2021 to Current

### Software Engineer II

**Softdocs Inc.** – *Summerville, SC*

- Developed a web application and service for capturing and importing a user's emails with their attachments based on configured filters using OAuth2 for Gmail and MS Graph APIs to be imported into an Enterprise content management system to replace the deprecated IMAP/POP3 basic authentication methods.
- Improved the accessibility of the user interfaces of multiple web applications in accordance with WCAG 2.1 to ensure the applications were accessible to all users. This work enabled Softdocs to win the business of strategic, large research universities and expand into the state and local government market.
- Replaced WSFed with OAuth 2.0 and OpenID Connect (OIDC) across multiple web applications to enable the use of modern and more secure authentication, authorization, and integration. This change allowed Softdocs to move closer to its vision of a native cloud-based SaaS offering by integrating with a modern SaaS Identity and Access Management Solution.
- Implemented a tool deployed as part of the deployment pipeline to eliminate the manual touching of 400+ virtual machines, improving the reliability of each deployment, and enabling the rapid deployment of new features. Ultimately saving 33+ hours or \$1400+ on each deployment, saving the business a quarter FTE on an annual basis.
- Implemented a policy-based document retention feature that gave department administrators the ability to define criteria for automatically deleting documents from the content system based on department and legal requirements. This feature allowed Softdocs to win strategic, large research universities and expand into the state and local government market.
- Developed a document redaction feature with the Atalasoftware DotImage SDK, giving privileged users the ability to place, size, and apply redactions over sensitive and personally identifiable information. Additionally, it provided privileged users the ability to view the original file without redactions.
- Implemented build and deployment pipelines using Azure DevOps for multiple regions to enable CICD.
- Performed security-focused code reviews on pull requests using OWASP Top 10 and SANS Top 25 to raise awareness of secure coding practices and mitigate vulnerabilities before they reached production. Identified 6 vulnerabilities, saving Softdocs the potential cost of fines and loss of trust.
- Developed a document import tool with WiX to allow users to download and install the tool outside of their server and import documents using an API.
- Developed a modern UI replacement for a Legacy Web Application using Angular 17 while maintaining feature parity and accessibility standards.

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## SKILLS

C#, JavaScript, Typescript, SQL, .NET, Angular, Knockout, Azure, Docker, WiX, Karma, Cypress, SQL Server, Agile, Scrum, SAsFe, Azure DevOps

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## EDUCATION

09/2019-08/2021

**Bachelor of Science: Computer Information Science**

**ECPI University - Charleston**