

David A. Catino

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Summary of Qualifications

Highly motivated and results-oriented Software Engineer with 10+ years of experience delivering complex full-stack development projects. Demonstrated strong leadership skills by successfully managing and delivering projects within budget using Agile methodologies. Proven experience in various programming languages, frameworks, and methodologies, including .Net MVC, Java, Agile, and DevOps. Passionate about building secure and efficient software solutions.

Accomplishments

- Developed and implement an automated testing environment using Docker, Ruby on Rails, and Jenkins streamlining the testing process
- Led my team to create and implement a project funding tracking and audit trail for internal U.S. Department of Defense (DoD) projects, enhancing transparency and accountability
- Spearheaded the migration of multiple Java projects to .Net MVC for the DoD, resulting in improved security, performance, and maintainability
- Implemented security patches for the DoD projects, ensuring alignment with the OWASP recommendations and STIG security recommendations
- Enabled data export to Excel (Open XML (OOXML)) and secure PDFs for multiple projects, meeting government security standards

Technical Skills

- Programming Languages (Object-Oriented): C#, Java
- Web Development: .Net MVC Full Stack Application Development, Bootstrap, jQuery, Angular/TypeScript, Oracle ADF (Application Development Framework)
- Databases: MS SQL, Oracle SQL, MySQL, Azure Cosmos DB (NoSQL)
- Data Exchange: JSON, XML, RESTful API, OData, WSDL
- Additional Skills: Problem Solving, Agile Methodologies, Team Leadership Project Management, Cybersecurity

Professional Experience

Senior Software Engineer, July 2023 to June 2024

B. Braun Medical Inc. – Bethlehem, PA

- Architected and delivered key functionalities within various technologies including Ruby on Ruby, Angular and .Net contributing to multiple projects
- Evaluated Ruby Gems and Nuget packages for potential security vulnerabilities and assessed the associated upgrade risks and implementation effort
- Developed SBOMs (Software Bill of Materials) to enhance supply chain security, reducing third-party security risks

- Collaborated effectively with team members to achieve project goals, brainstorm new ideas, and present them to the team
- Migrated an application to a Jenkins testing environment using Docker containers
- Established a remote virtual machine (VM) on a Linux server to execute Ruby on Rails test suites using the Minitest framework. Additionally, configured Jenkins for continuous integration, enabling automated testing upon code updates from a locally hosted GitHub repository
- Identified and resolved bugs impacting multiple projects, ensuring optimal functionality and user experience

Web Developer, July 2011 to July 2023

Universal Technical Resource Services, Inc. (UTRS) – Dover, NJ Picatinny Arsenal

- Led the successful transition of a team from Java to .NET MVC development, ensuring that team members were trained in new technologies and best practices
- Worked closely with end users, clients and stakeholders to develop custom solutions and provide technical support for those custom created solutions
- Ported legacy Oracle ADF/Apache Trinidad applications to .NET MVC Core Entity Framework applications
- Maintained and updated existing applications/scheduled database jobs, ensuring maximum user experience and accessibility in both Oracle and Microsoft environments.
- Provided technical support on an as needed basis
- Designed and developed web applications using .Net, C#, and Java with security as a core fundamental
- Implemented exporting of Adobe PDFs and Excel workbooks in a government environment
- Created a custom library with a tiered approach to access files in Java through RIDC from WebCenter content
- Performed duties acting as sole application developer, project lead, and/or as a member of a team with varying sizes.
- Developed applications and solutions using a three-tier system to ensure adherence to strict policies governing proper RESTful call practices

Education

Bachelor of Science in Information Sciences and Technology, May 2011

Penn State University – University Park, PA

CompTIA Security+ Continuing Education (CE)

Microsoft Azure Fundamentals (AZ-900)

Department of the Army Certificate Cyber Security Fundamentals (CSF) 25 CPE Hours