

David A. Catino

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Summary of Qualifications

Enthusiastic Software Engineer with 12 years of experience building secure and efficient full-stack solutions using React, Node.js, .NET MVC, and Agile methodologies. Proven track record of leading successful project delivery within budget and exceeding client expectations.

Accomplishments

- Streamlined the automated testing environment using Docker, Ruby on Rails, and Jenkins.
- 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.
- Demonstrated strong leadership skills in guiding my team through the successful migration to .NET MVC from Java.
- Implemented security patches for the DoD projects, ensuring alignment with the OWASP (Open Worldwide Application Security Project) recommendations and STIG (Security Technical Implementation Guides) security recommendations.
- Implemented secure data export to Excel and PDF formats, ensuring compliance with government security standards.

Technical Skills

- Programming Languages: C#, Node.js, JavaScript
- Web Development: React, Angular, .NET MVC, Bootstrap, jQuery, TypeScript
- Databases: MS 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

- Led the implementation of SBOM (Software Bill of Materials) generation software, streamlining the evaluation of Ruby Gems and Nuget packages to enhance supply chain security and reduce third-party security risks.
- Architected and delivered key functionalities within various technologies including Ruby on Ruby, Angular and .Net contributing to multiple projects.
- 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

- Spearheaded the successful transition of my team from Java to .NET MVC development, ensuring that team members were trained in new technologies and best practices.
- Provided technical support and worked closely with end users, clients and stakeholders to develop custom solutions and ensure their ongoing satisfaction.
- 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.
- Designed and developed web applications using .Net, C#, and Java with security as a core fundamental.
- Implemented secure data export to Adobe PDFs and Excel workbooks, ensuring compliance with DoD government security standards.
- Developed a custom library for secure file access in Java, ensuring compliance with DoD government regulations.
- 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