**Cody Willsey**

**Senior .NET Engineer**

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| **Professional Summary** |  |  |

* 10 years of hands-on experience in developing web application as a senior software engineer in diverse industries including **E-Commerce, Financial Services, hospitality**, **technology and so on.**
* Experienced **C#** backend developer with a strong foundation in developing robust and scalable applications using **C#** and the **.NET** framework.
* Extensive experience in designing, developing, and maintaining server-side applications using **C#.**
* Familiarity with **Node.js**, allowing for the integration of server-side **JavaScript** into **C#** backend solutions for enhanced functionality and performance.
* Proficient in working with **.NET +** **Blazor**  and related technologies.
* Knowledge of object-oriented programming (**OOP**) principles and design patterns.
* Familiarity with database systems such as **SQL** Server or **Oracle**, including writing efficient queries and optimizing database performance.
* Experience in building **RESTful APIs** and web services using **C#** and frameworks like **ASP.NET Web API**.
* Experience with Design, code, debug operations, reporting, data analysis and Web Applications utilizing **Python**.
* Experience in JavaScript testing framework like **JEST**, **Jasmine**, **Karma**, **Mocha** and **Chai**.
* Knowledge of **DevOps** practices, enabling the implementation of continuous integration and deployment pipelines, automated testing, and infrastructure management for efficient and reliable application delivery.
* Strong experience with version control tools such as **GIT**, **SVN, Jira, Clear Case, ClearQuest, Bugzilla and BitBucket**.
* Strong understanding in implementing **AWS** solutions using **Lambda**, **EC2, S3, RDS, EBS, Elastic Load Balancer**, **Auto-scaling** groups.
* Fully understanding of using **HTML5**, **CSS3**, **JavaScript** (ES5/6+), Angular 10/11/12 for UI/UX and Web Application.
* Considerable experience with IDEs like **Visual Studio Code, Eclipse, NetBeans, WebStorm, Sublime, Notepad++**
* Expertise in **Microservices** and development methodologies such as **Agile, Waterfall, Scrum, Kanban, TDD and BDD**.

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| **Technical Skills** |  |  |

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| **Languages** | C#,.NET, Java, HTML5, CSS, JavaScript, TypeScript, Python, C/C++, PHP |
| **Frameworks** | ASP .NET, Blazor, Spring, React.js, Next.js, Angular, Vue.js, jQuery, Bootstrap, Express.js, Nest.js, Django, Laravel, |
| **Version Control** | Git, Jira, BitBucket |
| **Database** | MySQL, PostgreSQL, MSSQL, Redis, MongoDB, Oracle |
| **Cloud, CI/CD** | AWS, Azure, Docker, Kubernetes, Jenkins |
| **O.S.** | Windows, Linux, MacOS |
| **Test Library** | Jest, Mocha, Cypress, Jasmine |
| **Methodology** | Agile/Scrum, Kanban |

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| **Education** |  |  |

**Troy University**  Troy, AL, 2013

Bachelor of Computer Science

Concentration: Software Development

Relevant courses: Data Structures and Algorithms, Programming Languages, Database Management, Software Engineering, Artificial Intelligence, Computer Networks

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| **Work Experience** |  |
| **Sr. Backend Engineer(C#/.NET)**  **Imaginovation** (Raleigh, NC) / **Fossil Group** (End Client)  Apr 2020 ~ Current  **Responsibilities:**   * Led the development of an ecommerce website for Fossil Group, specializing in the sale of Fossil watches. * Successfully improved performance by implementing optimization techniques, resulting in enhanced website responsiveness and user experience. * Utilized C# and ASP.NET Core to develop REST APIs for seamless communication between frontend and backend systems. * Led the migration of a monolithic application to a microservices architecture using C#, enabling scalability and flexibility. * Implemented an event-driven architecture using messaging systems like Kafka, following the CQRS pattern for efficient communication between microservices. * Conducted unit testing and integration testing using frameworks like NUnit and Moq to ensure the reliability and quality of backend code. * Implemented robust security measures, including JWT and OAuth2, to secure APIs and protect sensitive data. * Worked with both MongoDB and MySQL databases using C# to manage data storage and retrieval efficiently. * Set up CI/CD pipelines for automated deployments of C# applications, ensuring streamlined development and deployment processes. * Dockerized C# applications using multi-stage Docker techniques for easier deployment and scalability. * Provided technical leadership, conducted peer code reviews, and mentored junior developers, contributing to their growth and skill development. * Performed maintenance and L3 bug fixes for C# applications, ensuring smooth operation and minimizing disruptions. * Collaborated with UI developers using C# technologies like Blazor or ASP.NET Core MVC for seamless integration of frontend and backend systems. * Implemented robust event handling and error handling mechanisms in C# applications for improved reliability and error recovery. * Integrated APIs with C# using libraries like HttpClient, enabling seamless communication and data exchange with external systems. * Dockerized React applications with Nginx for efficient deployment and improved performance (assuming a separate frontend component). * Implemented authentication, authorization, and route protection mechanisms in C# applications to ensure secure access and data protection. * Mentored and provided guidance to junior developers and freshers, supporting their learning and professional development. * Made critical technical decisions regarding design, development, and quality assurance for C# projects, ensuring optimal outcomes.   **Environment:**  C#, .NET, .NET core, Blazor, NUnit, Linq, Moq, CI/CD, Java, Spring, Python, Django, XML, MVC Architecture, Jest library, Cypress, Agile, AWS  **Senior backend .NET Engineer**  **NMR Consulting** (Huntsville, AL)  Apr 2018 ~ Feb 2020  **Responsibilities:**   * Developed a complete backend microservice in C# to automate the document and payment flows (Inbound, Outbound, Book transfer). * Used C# with Spring Boot equivalent for REST API development and implemented Camunda as a workflow management tool. * Set up Camunda engine as a separate microservice and implemented Kafka for event-driven communication between microservices. * Integrated this microservice and Camunda Engine microservice with the Payment microservice using Spring WebFlux. * Automated payment initiation and workflow deployment using REST APIs. * Stored workflow data in a relational database during the flow. * Conducted unit testing using NUnit and Moq. * Dockerized the application and pushed the Docker image to Docker Hub. Set up a Jenkins CI/CD pipeline and integrated SonarCloud for code quality analysis. * Developed the UI using and Tailwind CSS. * Integrated APIs with the backend. * Implemented event handling and error handling. * Conducted peer code reviews.   **Environment:**  C#, ASP.NET Core, Blazor, Microservices, REST APIs, Entity Framework Core, NUnit and Moq, Kafka, Maven (or NuGet for package management), TypeScript, Docker, Kubernetes, OpenShift, Jenkins, Git Actions, CI/CD, Agile Methodology.  **Senior Backend .NET Developer**  **Wizeline** (San Francisco, CA, Remote)  Mar 2016 ~ Feb 2018  **Responsibilities:**   * REST API development with C# and ASP.NET Core. * Achieved unit test and integration test coverage of more than 80%. * Implemented the concepts of TDD, Microservices, and DevOps. * Resolved bugs and automated workflows to enhance user experience. * Set up CI/CD pipelines for automated deployments and integration. * Developed Microservices for new requirements and established connections between the monolithic application and microservices. * Upgraded C# and .NET versions, refactored methods and codes using functional programming techniques. * Utilized Gradle and Maven as per project requirements. * Fixed bugs and provided testing support to increase revenue by 30%. * Extensively worked on DevOps practices, including Dockerizing applications, Kubernetes cluster setup, Ansible, and Terraform. * Actively involved in refactoring old services to use the latest tech stack.   **Environment:**  C#, ASP.NET Core, Blazor, Microservice Architecture, Maven, Gradle, REST APIs, NUnit, Kafka, RabbitMQ, Entity Framework Core, Spring Cloud, Spring Security, JWT and OAuth2, Git, Docker, Kubernetes, OpenShift, Terraform/Ansible, Angular 10  **Backend Developer**  **Meta** (Menlo Park, CA, Remote)  Nov 2013 ~ Dec 2015  **Responsibilities:**   * Started work as an intern and transitioned to a full-time employee after a year. * Collaborated with senior developers to create and maintain the company's website using C# and .NET. * Developed solutions to meet business requirements and user needs, focusing on building a secure website. * Expanded backend skills by learning new technologies such as .NET and Java. * Debugged and resolved code issues to enhance site functionality. * Worked with senior developers to improve website performance and stability. * Participated in team meetings and code reviews, providing feedback and suggestions for improvement. * Identified opportunities for codebase and development process enhancements. * Engaged in regular code reviews to ensure adherence to coding standards and best practices. * Implemented unit testing for backend.   **Environment:**  C#, ASP.NET MVC, Blazor, Java, Ajax, SQL, REST, JSON, SOAP, Git, NUnit, AWS   |  |  |  | | --- | --- | --- | | **Skill Matrix** |  |  |  |  |  |  |  | | --- | --- | --- | --- | | **Skills** | **years** | **Skills** | **years** | | **C#/.NET** | 10 years | Git | 8 years | | **Angular** | 7 years | GCP | 7 years | | TypeScript | 5 years | Selenium | 7 years | | HTML/CSS | 9 years | Docker/Kubernetes | 6 years | | AWS | 7 years | C/C++/C# | 9 years | | Azure | 5 years | JavaScript | 5 years | | Bootstrap | 9 years | Jenkins | 5 years | | jQuery | 9 years | Power BI | 5 years | | Next | 6 years | Jest/Mocha/Cypress | 6 years | | React | 4 years | DevOps | 5 years | | Java | 5 years | Jira | 5 years | | Vue | 7 years | MySQL | 9 years | | Python / Django | 7 years | PostgreSQL | 7 years | | Node.js | 8 years | MongoDB | 6 years | | PHP | 9 years | BitBucket | 5 yearsh | | Laravel/CI | 8 years | Agile/Scrum, Kanban | 6 years | | |