Amit Vajrashetti

asvajrashetti@gmail.com | (602) 565-3348 | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

EDUCATION

Master of science in Information Technology   **May 2025**
Arizona State University GPA (4.0/4.0)   **Tempe, AZ**

Bachelor of engineering in Computer Engineering   **May 2020**
Savitribai Phule Pune University GPA (3.6/4.0)   **Pune, India**

PROFESSIONAL EXPERIENCE

Software Engineer Intern   **May 2024 - August 2024**
Amrock   **Detroit, MI**
- Developed and managed web applications using .NET 6.0 and 8.0, ensuring robust backend performance and reliability.
- Adopted Angular NX for efficient front-end development and management, collaborating with teams to improve user experience and scalability, achieving a 20% improvement in load times.
- Orchestrated CI/CD pipelines with Azure DevOps, Exploiting Kubernetes and Octopus Deploy for seamless application deployment and orchestration. Utilized Rancher and Splunk for monitoring, improving incident response.
- Worked on AWS databases utilizing SQL Server Management Studio (SSMS) for data administration, ensuring data integrity and accessibility.
- Spearheaded unit testing tasks executing MSTest, xUnit for .NET applications, and Jasmine, Karma for Angular, achieving a code coverage of 95%, and enabling daily delivery in cloud through CI/CD pipeline.

Software Engineer   **March 2021 - July 2023**
LTIMindtree   **Pune, India**
- Created web and Windows applications utilizing ASP.NET and RESTful APIs, applying object-oriented design principles to architect backend microservices and endpoints, resulting in a 25% increase in efficiency.
- Developed single-page web applications using Angular, resulting in a 40% increase in user engagement and a 25% improvement in navigation efficiency.
- Led MSSQL database design and Implementation. Configured with Azure Redis Cache, resulting in a 25% reduction in server load and accelerated application speed, enhancing overall system performance.
- Demonstrated expertise in leveraging Microsoft Azure DevOps for code integration and CI/CD pipeline deployment.
- Utilized AWS Lambda to trigger a custom endpoint based on third-party vendor actions and leveraged CloudWatch to monitor performance, increasing system automation and integration efficiency by 30%.
- Engaged in Agile (Scrum) practices, driving backlog grooming, sprint planning, and demos. Spearheaded a 20% project efficiency increase and directly contributed to accomplishing milestones.
- Led knowledge sharing sessions on software engineering practices, debugging, and automated testing, boosting technical proficiency by 30%.
- Implemented secure authentication and authorization mechanisms, such as single sign-on solutions with Okta.

SKILLS

Programming Skills: C#, Java, Python, Typescript, CSS, HTML.
Libraries/Frameworks: ASP.NET Core, Angular, NodeJS, Docker, MVC, XML, JSON, Entity Framework, Selenium, MSTest.
Tools: Postman, Visual Studio, Visual Studio Code, GIT, Postman, Snyk, SonarQube, Datadog, Katalon, Selenium.
Databases/Storage Systems: MySQL, MongoDB, Redis, Microsoft SQL Server, PostgreSQL, MongoDB.
Certifications: AWS cloud practitioner, Azure Fundamentals, Foundational C#: Microsoft, Jira fundamentals: Atlassian.

PROJECTS

SecureComm
- Engineered advanced security protocols in .NET, including multi-factor authentication with .NET Identity, JWT tokens, SMTP for encrypted email transmissions, and OAuth 2.0 integration in the frontend for login and registration, while directing deployment and maintenance using Git Actions and workflows.

TaskHub
- Implemented a task management application utilizing clean architecture principles and the CQRS pattern using mediatR, featuring JWT-based authentication, task CRUD operations, and Azure Key Vault for secure data storage.
- Enhanced input validation with FluentValidation to ensure robust and consistent data integrity. with testing implemented via xUnit and Moq, achieving 95% test coverage.

Employee Management System
- Leveraging the CQRS pattern, implemented a hybrid caching mechanism with L1 (in-memory) and L2 (Redis) caches for optimized performance, supported CRUD operations, and established a centralized nuget repository pattern.