Jahnavi Shakamuri

Software Developer/Engineer

Miami, FL, USA • jahnavishakamuri1@gmail.com • +1 (786) 229-4272 • LinkedIn

Summary

Results-oriented **Software Engineer** with **4+ years** of experience designing and delivering scalable, high-performance applications. Skilled in .NET Core (C#), Python, and JavaScript with expertise in building microservices, RESTful APIs, and enterprise web applications. Strong background in cloud computing (Azure, AWS), database management (SQL Server, PostgreSQL, MongoDB), and DevOps practices using CI/CD pipelines, Docker, and Kubernetes. Adept at applying Agile methodologies (Scrum, Kanban), leading cross-functional teams, and driving efficient development cycles. Proven ability to enhance application security, optimize performance, and deliver measurable business outcomes in financial and healthcare domains.

Skills

- **Programming Languages:** Python, C#, .NET Core, Java, JavaScript, TypeScript, SQL
- **Web Development:** ASP.NET Core, ASP.NET MVC, Web API, Microservices, RESTful APIs, React.js, Angular, HTML5, CSS3, Django, Flask, FastAPI
- **Database:** SQL Server (T-SQL, Stored Procedures), PostgreSQL, Oracle, MongoDB, Entity Framework Core, LINQ
- **Testing & Tools:** NUnit, XUnit, Moq, Selenium, Postman, Swagger, SonarQube, Git
- **Cloud & DevOps:** Azure (App Services, Functions, Service Bus, Azure SQL), AWS (EC2, S3, Lambda, RDS), Docker, Kubernetes, CI/CD (Azure DevOps, Jenkins, GitHub Actions)
- **Project Management:** Agile Methodologies, Scrum, Kanban, JIRA, Continuous Integration/Continuous Deployment, TDD, Scrum
- **Soft Skills:** Problem-solving, Communication and collaboration, Adaptability, and learning agility

Experience

Northern Trust, USA **May 2024 – Present**

Software Engineer

- Designed and developed financial data analysis microservices using ASP.NET Core and Python, integrating React.js for interactive dashboards, improving portfolio reporting efficiency and client satisfaction by 15%.
- Built and secured RESTful APIs in .NET Core with JWT/OAuth2 authentication, reducing unauthorized access attempts by 30% and ensuring compliance with financial security standards.
- Integrated Python-based services with .NET microservices for specialized risk and fraud detection workflows, leveraging AWS to achieve 75% accuracy in threat identification.
- Optimized data storage and retrieval with Entity Framework Core and SQL Server/PostgreSQL, reducing query execution times by 25% in high-frequency trading systems
- Implemented event-driven communication using RabbitMQ/Kafka with .NET Core microservices, enabling real-time data streaming and faster portfolio updates.
- Automated deployments with Docker, Kubernetes, and Azure DevOps pipelines, reducing release cycles by 30% and ensuring zero downtime in production environments.
- Collaborated with cross-functional teams on code reviews, feature scaling, and mentoring junior developers, driving Agile sprints to achieve a 30% reduction in development cycle time.
- Enhanced application monitoring using AWS Cloud Watch and Azure Application Insights, reducing system downtime incidents by 20%.

CitiusTech, India **Jan 2020 – Aug 2022**

Software Engineer

- Led the integration of advanced API management tools to enhance system interoperability, reducing data integration times by 40% and improving overall application connectivity.
- Led the design and implementation of microservices architecture using ASP.NET Core, enhancing system scalability and maintainability for enterprise healthcare applications.
- Designed and implemented frontend solutions using React.JS and Redux, enhancing user experience, reducing page load times by 25%.
- Optimized SQL database interactions for better performance, reducing query response times by 20% and ensuring data integrity across the system.
- Applied CQRS pattern to optimize database performance, successfully separating read and write operations to handle high-traffic demands in healthcare systems.
- Utilized Entity Framework Core for efficient data interactions, optimizing data access layers and reducing query execution times by 30% in complex healthcare systems.
- Deployed and managed frontend applications on AWS using services like S3 and CloudFront, improving application performance and scalability.
- Deployed and managed .NET applications using Azure Functions, improving scalability and ensuring reliability in a serverless computing environment.
- Created and maintained a robust logging and monitoring system using AWS CloudWatch, improving system reliability and reducing troubleshooting times by 50%.
- Collaborated with cross-functional teams to migrate legacy systems to modern technologies, reducing technical debt and improving system maintainability by 30%.

Education

Master of Science in Computer Science — **Aug 2022 - May 2024**
Florida International University, Miami, Florida, USA — **GPA – 3.7/4.0**

Bachelor of Science in Computer Science — **Jul 2015 – May 2019**
AVN Institute of Engineering and Technology, Hyderabad, India — **GPA – 3.8/4.0**

Certification

Microsoft Certified: Azure Developer Associate (Link)
Credential ID - BB0976CD75BB29DD