Bhoomika Reddy

**SOFTWARE ENGINEER**

**Location:** United States**| Phone:** 9133368576 **| Email:** [bhoomikareddy003@gmail.com](bhoomikareddy3012@gmail.com)**| [LinkedIn](https://www.linkedin.com/in/bhoomika-reddy-muralidhar-005a781a5?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=android_app)** **| [GitHub](https://github.com/bhumikareddy30/ProjectLeaveManagement1)**

# SUMMARY

* Experienced Software Developer with **2+ years** of expertise in building scalable, high-performance web applications using **C#, .NET Core, and Java**. Skilled in Python and **REST API development**, focusing on delivering robust and efficient software solutions.
* Proficient in designing and implementing secure, efficient APIs using **ASP.NET Core and Spring Boot**. Integrated with databases like **PostgreSQL, AWS Aurora, and SQL Server** to ensure optimized data management and system performance.
* Skilled In cloud-native application deployment on **AWS**, utilizing services like **EC2, S3, and Lambda** for scalable solutions. Experienced in setting up

**CI/CD pipelines**  using Jenkins and **Azure DevOps** to streamline deployment processes.

* Focused on writing clean, testable code with strong unit and integration test practices. Addressed enterprise concerns like security, transaction management, and concurrency while adhering to **Agile and Scrum** methodologies.

# PROFESSIONAL EXPERIENCE

## Sports Excitement LLC, New York, NY

**Full Stack Software Developer Intern Feb 2025 - Present**

* Developing and maintaining Design, develop, and maintain scalable and secure APIs using .NET technologies
* Participating in code reviews, troubleshooting issues, and optimizing existing code for better performance.
* Writing unit and integration tests to maintain reliability and code quality.

## Ernst & Young ,Bengaluru, India

**Full Stack Developer Sep 2022 – Aug 2023**

* Developed and deployed scalable web applications using **ASP.NET Core, Entity Framework, and LINQ**. Improved application performance by 80%, reduced downtime by 95%, and ensured 99% system security and reliability.
* Designed and developed dynamic, responsive user interfaces using **Vue.js and React.js**. Increased user engagement by 30% and optimized the overall user experience
* Built and integrated **RESTful APIs,** optimizing data flow and performance. Achieved a 25% reduction in page load times while ensuring secure and efficient data transactions.
* Deployed cloud-native applications using **AWS and Azure,** leveraging services like **EC2, S3, and Lambda**. Ensured 99.9% uptime and scalability in production environments
* Managed containerized deployments using **Docker** and **Kubernetes,** ensuring seamless scalability and reliability.
* Implemented **CI/CD pipelines** using Azure **DevOps** and Jenkins. Reduced deployment time by 60% and improved team productivity by 40%.
* Focused on addressing enterprise concerns like security, scalability, transaction management, and concurrency. Ensured robust and reliable application performance across platforms.

## Cognition, Bengaluru, India

**Analyst June 2021 – May 2022**

* Developed and maintained **ASP.NET** applications with Entity Framework for data access and **ADO.NET** for database connectivity, improving data processing speed by 30%.
* Designed and implemented responsive web interfaces using **HTML, CSS, and JavaScript**, leading to improvement in cross-device compatibility.
* Integrated **RESTful APIs** to connect front-end interfaces with back-end services, reducing system errors by 40%.
* Deployed applications to **Azure cloud**, improving application scalability and performance by 50%.

# SKILLS

**Programming Languages:** Java, Python, JavaScript, TypeScript, C#, C/C++, SQL

**Web Development:** React.js, Express.js, Node.js, Next.js, HTML5, CSS3, XML, ASP.NET, Entity Framework,

**Databases:** MSSQL, PostgreSQL, MySQL, MongoDB, Redis, LINQ

**Cloud Services:** AWS (EC2, S3, Lambda, Fargate, SNS, CloudFormation, ECS, EKS), Azure Cloud Services

**Miscellaneous:**

**Methodologies:**

Docker, Kubernetes, Jenkins, Git, Jest, Mocha, ELK Stack, Maven, Apache Kafka, NUnit, Postman, ChatGPT

Agile, SOLID principles, Design Patterns, DSA, Object Oriented programming, Jira

# EDUCATION

## University Of Central Missouri

Master of Science, Computer Science, GPA: 3.3/4.0 Missouri, USA

## Cambridge Institute of Technology

Bachelor of Technology, Computer Science, GPA: 3.6/4.0 Bengaluru, India

# PROJECTS

## Leave Management System

* Designed an end-to-end platform where admins manage tasks, and users request leaves.
* Implemented role-based access control, improving security and user experience.
* Developed RESTful APIs using Node.js and Express, with MSSQL as the backend.

## Fashion MNSIT Clothing Classification using Deep Learning

* Python, TensorFlow, Keras, NumPy, Matplotlib, Fashion MNIST Dataset.
* Built and trained a convolutional neural network (CNN) to classify 70,000 (28x28 pixels each) images of clothing into 10 categories. The model achieved high accuracy through data preprocessing, model design, and evaluation.