

SAI VIVEK MADUGONDA

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GitHub:

<https://github.com/saivivekmsv?tab=repositories>

Portfolio:

<https://main--msaivivek-portfolio.netlify.app/>

Professional Summary

Accomplished Senior Software Engineer with 4+ years of experience in full-stack development. Proficient in .NET Core, ReactJS, and Azure. Proven ability to lead teams, integrate security solutions, and streamline CI/CD processes. Dedicated to driving technological advancements and contributing to impactful projects.

Professional Experience

Senior Software Engineer

Congruent Solutions Pvt. Ltd. Chennai

Full Time (2020-July to Present)

- Led a team of 4-8 developers, delivering high-quality full-stack web applications for the U.S. retirement industry.
- Integrated SAST and DAST platforms, enhancing system security.
- Proficient in .NET Core, MySQL, Entity Framework, Dapper, ReactJS, and Azure.
- Streamlined CI/CD management flows for deployments on Linux VMs, reducing deployment cost by 30%.

Projects**Admin Portal:**

- Built few modules catered for plan administrators.
- Led a 5 member team to build, test and deploy the modules.

Sponsor Portal:

- Built entire frontend and integrated with backend for sponsors.
- Led a 4 member team to build, test and deploy the application.

Participant Portal:

- Built entire responsive frontend and integrated with backend for participants.
- Led a 4 member team to build, test and deploy the application.

Cloud Computing & DevOps:

- Proficient in streamlining deployments using Azure DevOps and CI/CD processes, reducing deployment costs by 50%. Experience in optimizing cloud infrastructure and automating deployment across multiple environments (QA, DEV, UAT) aligns with modern industry standards of continuous integration and delivery.

Security Integration in DevOps (DevSecOps):

- Integrated SAST and DAST into CI/CD pipelines to enhance system security, addressing the growing need for automated security testing as part of DevSecOps practices. This integration ensures secure, rapid software delivery, aligning with modern trends in secure application development."

AI and Machine Learning in Software:

- Implemented Text-to-SQL using large language models (LLMs), enabling administrators to generate SQL queries through natural language, enhancing user accessibility to data. This approach aligns with the increasing industry focus on AI and NLP-driven solutions for simplifying complex operations and improving data accessibility.

EDUCATION

B.Tech in Mechanical Engineering (Specialization in Smart Manufacturing)
IIITDM KANCHEEPURAM
2016-2020

MTECH in Data Science and Engineering
BITS PILANI
2021-2023

Skills

Programming Languages

C#, JavaScript, Python

Operating Systems

Windows, IOS, Linux

Database

MySQL, NoSQL – Firebase, MongoDB

Libraries/Frameworks

ReactJs, .Net, Azure

Development Tools

Visual Studio, Visual Studio Code

Cloud Technologies

Azure

Extracurricular Activities

UG Placement Affairs Secretary:

Coordinated placement activities, improving placement rates by 15%. (2019-2020)

Placement Coordinator:

Assisted in organizing placement drives, enhancing student-employer engagement. (2018-2019)

QMS Coordinator for SAMGATA

Managed quality management systems, ensuring compliance with standards. (2018-2019)

Placement Volunteer

Volunteered for placement activities, gaining insight into recruitment processes. (2017-2018)