

Sai Cherish Potluri

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EXPERIENCE

Fullstack Software Developer

June 2023 – Present

Devoir Software Solutions

Chesterfield, MO

- Developed a comprehensive fullstack web application for the American Board of Emergency Medicine (ABEM) using Angular, Bootstrap, and ASP.NET to streamline administrative processes, including the creation and management of physicians and various certification cycles.
- Architected 12 microservices, including user, assessment, requirement, volunteer, integration, payment, and composite services, to ensure modularity and scalability of the application, achieving a 60% improvement in system efficiency and usability.
- Implemented third-party exam vendor integrations with PVUE, ESOFTE, and BenchPrep through a dedicated integration service.
- Created a composite service to act as a bridge for commonly called API methods, ensuring secure and efficient API access to prevent unauthorized services from calling APIs.
- Utilized SQL Server to host data and implemented stored procedures to handle complex queries, enhancing database performance and reliability.
- Utilized Azure services to enhance application performance and security:
 - Implemented **Azure App Insights** for real-time application performance monitoring and logging, improving issue resolution time by 30%.
 - Leveraged **Azure Blob Storage** for secure and scalable storage of application data, enabling seamless access and management of large datasets.
 - Managed application secrets and encryption keys using **Azure KeyVault**, ensuring data security and compliance with industry standards.
 - Deployed applications using **Azure Container Instances** to enable rapid scaling and efficient resource management.
- Overhauled 90% of the client's existing basic web application, transforming it into an interactive and efficient greenfield web application.

PROJECTS

Portfolio | *React, Vite, HTML, CSS, GitHub* | [Code](#) | [Website](#)

June 2023 – Present

- Built and deployed a responsive React Portfolio Website, ensuring optimal user experience across devices
- Utilized HTML, CSS, and JavaScript to develop and enhance skills in React fundamentals
- Implemented version control and collaboration using GitHub
- Leveraged Visual Studio Code for efficient development and debugging
- Deployed the portfolio website on Netlify, ensuring seamless and continuous deployment

Student Management API | *Java, Spring, SQL, Eclipse*

Jan 2023 – Jan 2023

- Developed a REST API using Java and Spring to manage a school database for student data
- Implemented CRUD operations for efficient data management and retrieval
- Utilized MySQL Workbench for database design, management, and querying
- Ensured robust and scalable API architecture for seamless integration with front-end applications
- Applied best practices in coding, testing, and deployment to enhance system reliability and performance

EDUCATION

Arizona State University

Tempe, AZ

Master of Science in Computer Science

Aug. 2021 – May 2023

GITAM University

Vishakapatnam, India

Bachelors in Computer Science and Engineering

Jun. 2016 – Jun 2020

TECHNICAL SKILLS

Languages: C#, Java, Python, JavaScript, C, SQL (Postgres), TypeScript, HTML/CSS

Frameworks: Angular, React, ASP.NET, Node.js, Spring, Hibernate, Flask, JUnit, Material-UI

Cloud Platforms: Azure, AWS, Google Cloud Platform

Developer Tools: Git, Docker, Visual Studio, IntelliJ, VS Code, PyCharm, Eclipse

Operating Systems: Windows, Linux