

# 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
- Developed the integration service for third-party exam vendor integrations with PVUE, ESOFT, and BenchPrep
- 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, implementing stored procedures to handle complex queries
- Provided knowledge transfer (KT) sessions to new joiners and conducted internal demos for higher-ups
- Employed Azure B2C for secure authentication and leveraged the Azure DevOps suite, including boards, repos, and pipelines, for effective project management and continuous integration/continuous deployment (CI/CD)
- Overhauled 90% of the client's existing basic web application, transforming it into an interactive and efficient greenfield web application
- Achieved a 60% improvement in application efficiency and usability through extensive UI enhancements and system optimizations

## 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:** Java, Python, C, SQL (Postgres), TypeScript, HTML/CSS, R

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

**Developer Tools:** Git, Docker, AWS, Azure, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse