Vasanth Selvaraj

+91 86674 22466 | vasanth199715@gmail.com | LinkedIn | Portfolio | Blog | GitHub | Bangalore,IN

Professional Summary:

- Web Developer with overall 5+ Years of IT Experience in **MERN** stack development and **DevOps** technologies.
- Technical expertise across the entire **software development life cycle**, including Analysis, Design, Development, Testing and Deployment.
- Extensive experience in integrating applications using **REST** Web Services.
- Designed and developed applications using JavaScript frameworks like ReactJs, Express.js and NextJs and Python frameworks like Flask.
- Good analytical, logical and problem-solving skills.
- Good communication skills being involved in client calls.
- Worked extensively in Agile Methodologies with smaller sprints. Estimated and tracked project milestones using Azure DevOps and SHORTCUTS

Work Experience:

- ➤ Working as a **Solution Architect** with **Mavenberg Innovations**, Bengaluru, India from April 2024 to Present
- ➤ Worked as a **Consultant** with **Mavenberg Innovations**, Bengaluru, India from Sept 2022 to April 2024
- ➤ Worked as **System Engineer** with Tata Consultancy Services (**TCS**), Chennai, India from April 2022 to Sept 2022
- ➤ Worked as **Assistant System Engineer** with Tata Consultancy Services (**TCS**), Bengaluru, India from June 2019 to April 2022.

Technologies:

Programming Languages:	JavaScript, TypeScript, Python, YAML
Frameworks:	REST, ExpressJs, Flask, GraphQL, Jest, Mocha
Web Technologies:	HTML, CSS, TailwindCss, ReactJs, NextJs, ES6, Redux
Tools:	Docker, Git, Azure CICD, Azure Appservices
Database:	PostgreSQL, MongoDB
Cloud:	Azure web services

Education:

- **Bannari Amman Institute of Technology (2015-2019)**
  Bachelor of Technology (Information Technology)

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Project Details:

1. MavenDx Migration Tool - Product by Mavenberg

Technologies	React with Vite, ExpressJs, NodeJs 18, Flask, PostgreSQL 15, Apache Kafka, cron, pkg by Vercel, pyinstaller, shell script
Duration	March 2024 to Present
Team Size	25

Description:

MavenDx Migration Tool, facilitating seamless data transfers (BOM, ITEM, DATASET) from various applications into Siemens Teamcenter. Engineered migration solutions tailored to client needs, enabling integration from diverse tools like SharePoint, EPDM, and AutoCAD into Teamcenter.

Roles & Responsibilities:

➢ Collaborated in the design and development of the MavenDx Migration Tool, ensuring the seamless migration of BOM, ITEM, DATASET, and other data from external systems to Siemens Teamcenter.

➢ Led the frontend and **Node.js** backend development, ensuring optimal user experience and performance.

➢ Created an organization-wide component library in **ReactJs** that can be imported as a submodule and used in multiple projects.

➢ Coordinated the integration between **Node.js** and **Flask** (Python) teams, aligning backend services and data pipelines for smooth operations.

➢ Developed a **shell script** for automating the frontend build process and packaging both the frontend build and Express.js server into a deployable .exe file.

➢ Delivered customized migration solutions for integrations like SharePoint to Teamcenter, EPDM to Teamcenter, and AutoCAD to Teamcenter based on client requirements.

➢ Designed and Developed a project architecture that can build the modules that are only needed for the specific customer.

2. Panel Configurator - Customized web based ERP

Client	Gourav Energen
Technologies	React with Vite, ExpressJs, NodeJs 18, MongoDB, Azure Appservices, Azure DevOps, CICD, ThreeJs
Duration	Spet 2022 to March 2024
Team Size	3

Description:

Panel Configurator is a comprehensive web-based ERP system built using React, Express.js, and MongoDB. It facilitates the creation of Bills of Materials (BOM) and customized

workflows for panel configuration, with a dynamic 3D visualization of the final design. The system also includes robust features for customer management, vendor management, and purchase order processing, providing a complete solution for managing panel projects from inception to completion.

Roles & Responsibilities:

➢ Developed the frontend in React to manage dynamic project workflows, including panel configuration and 3D visualization.

➢ Built the backend with Express.js and MongoDB, handling project management, BOM creation, customer and vendor management, and purchase order processing.

➢ Implemented secure user authentication and authorization, ensuring data protection and role-based access.

➢ Deployed the application to Azure App Services using Azure CI/CD pipelines, automating deployment and ensuring continuous integration.

➢ Optimized the application for scalability and performance through efficient design and deployment practices on Azure.

3. Mavenberg Website

Client	Mavenberg Innovations
Technologies	NextJs, Azure DevOps, CICD, TailwindCss
Duration	June 20223 to Aug 2023
Team Size	2

Roles & Responsibilities:

➢ Contributed to the redesign of the company website, mavenberg.com, by offering valuable design suggestions and implementing improvements.

➢ Reduced the load time by introducing NextJs and eliminating heavy weight assets.

➢ Implemented dynamic flash cards to show the current events for our organization.

Achievements

● Implemented Agile Project Development with Azure DevOps	Mavenberg Innovations
● Managing Web Development Team Organisation Wide (12 Members)	Mavenberg Innovations
● Created a Microsoft Share point for **Knowledge base** Site to share knowledge for others and made colleagues to add articles monthly	Mavenberg Innovations
● Created a Organisation wide Bi Monthly **Master class** to share interesting topics between Team Mates on the tech stack they are working and share their knowledge.	Mavenberg Innovations