

Vidya Patil

Senior Systems Engineer | Expert in Angular

Angular Developer with **3+ years** of experience building scalable, high-performance web applications using **Angular (v2–v18)**. Strong expertise in frontend development, performance optimization, and **UI enhancements**. Currently expanding full-stack capabilities with hands-on learning in **Node.js, Express, and MongoDB**, aiming to transition into **MEAN stack** development. Collaborative team player with experience in Agile environments and CI/CD workflows.

Work Experience

Senior Systems Engineer at Infosys Limited, Pune, Maharashtra

May 2022 - Present

- Streamlined code collaboration and reduced merge conflicts by 25% through expert **GitHub** version control management.
- Proficient in **Angular (v2–v18)**, with comprehensive experience in developing, components, directives, services, routing, and event handling.
- Enhanced Angular applications using custom directives and UI improvements, resulting in a 25% increase in customer satisfaction.
- Mentored junior developers** on Angular best practices and Git workflow.
- Maintained high **code quality and 85%+ test coverage** using **SonarQube**, reducing production bugs by 30%.
- Designed user-centric solution interfaces using Angular, TypeScript, and **Bootstrap**, resulting in a 30% improvement in user satisfaction scores.
- Optimized API calls** and implemented code splitting, improving application load speed by 40%.
- Improved sprint velocity by 20% by actively participating in **Agile** ceremonies, including sprint planning and daily scrums.
- Built and integrated **RESTful APIs** using Node.js and Express, enabling seamless CRUD operations with MongoDB, reducing data access time in internal tools by 30%.
- Connected **MongoDB** with Node.js using Mongoose in personal practice projects to understand full-stack data flow.
- Developed full-stack internal prototypes using the MEAN stack, improving team productivity by providing reusable components and endpoints for common development use cases.

PROJECTS

Carbon Emission Tracker and Space Booking

May 2022 - Present

- Designed and developed a web-based Carbon Emission Tracker to calculate and monitor employee carbon footprints based on commute modes (car, train, etc.) and office seating types (cabin, cubicle).
- Built dynamic dashboards featuring interactive Bar Charts and Leadership Boards to visualize individual and team emissions, promoting sustainable behavior across the organization.
- Built a Space Booking Module that allows users to search for and reserve available resources (desks, rooms, cabins) based on date, location, and floor.
- Expanded **reusable Angular services and components** for handling bookings, cancellations, and updates seamlessly.
- Integrated database models to track resource availability, booking history, and cancellation logs for auditing purposes.
- Conducted end-to-end testing using **Jest** to ensure stability across different usage scenarios.

Contact

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Skills

Technical Skills

Frontend

- Angular (v2–v18)
- Responsive Design
- RxJS
- Bootstrap
- HTML5
- CSS3
- SCSS/SASS,
- TypeScript,
- JavaScript (ES6+)

Backend

- Node.js
- Express.js
- MongoDB
- RESTful APIs

Practices

- Documentation
- Lazy Loading
- AOT Compilation
- Code Reviews
- JWT

Tools/Software

- Git and GitHub
- Angular CLI
- Visual Studio Code
- Chrome DevTools
- SonarQube
- GitHub Actions

Educational Background

Master of Science (MSC), Computer Science

Shivaji University Kolhapur
June 2018 - March 2020

Interests

Building personal websites, reading technical content, and learning new technologies