

Prathamesh Shingan

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EXPERIENCE

Software Engineer

Dec 2024 - Present

MRI Software

Pune

- (Continuation of the same project after MRI Software acquired the Capita project portfolio.)
- Modernized the Non-Domestic Rates (NDR) module and dashboards post-acquisition.
- Migrated legacy **SOAP APIs to REST APIs**, improving interoperability and reducing response latency by 20%.
- Integrated REST APIs with a **React-based frontend**, improving usability, responsiveness, and client experience.
- Collaborated with cross-functional teams to align legacy Capita codebases with MRI's architecture and standards.
- Technology Used: C++, .NET, ASP.NET, WinForms/WPF, SSRS, Ingres DB, REST APIs, React.

Associate Software Engineer

Aug 2023 - Dec 2024

Capita Software Services

Pune

- Led development of the **Generic Mandatory Relief** feature in the NDR module, used by 100+ UK local authorities. Automated processes reduced manual workload by 40% and improved speed by 30%.
- Built a real-time **NDR Management Dashboard** in .NET, improving reporting efficiency by 25% and supporting data-driven council decisions.
- Developed Bash-based **file integrity verification and checksum systems** to ensure version control and reliability in Linux environments.
- Integrated financial summaries and payment insights covering £4.8B+ in collections, improving transparency and accuracy.
- Technology Used: C++, .NET, ASP.NET, WinForms/WPF, SSRS, Ingres DB, OpenRoad.

Freelance - Web Developer

Jan 2023 - July 2023

Arush Enterprises

Pune

- Developed a full-stack inventory management system for medical stock tracking, automating order and inventory processes to improve efficiency.
- Built a dynamic ReactJS-based UI, with MongoDB for database management and Node.js + Express for a scalable backend.

Software Engineering Intern

Mar 2022 - Sep 2022

Qualys Security

Pune

- Worked in the CyberSecurity Asset Management (CSAM) team on asset visibility and risk assessment features.
- Developed and optimized microservices using **Java and Spring Boot**, improving data ingestion and processing pipelines. Collaborated with senior engineers to integrate external attack surface data.

PROJECTS

AI-Powered Data Insights Platform | *Reactjs, Nextjs, PostgreSQL, Azure*

- Developed a highly responsive and user-friendly platform in React and Next.js, enabling users to upload and query files to obtain data insights, which resulted in a 30% reduction in manual data analysis time.
- Implemented **debouncing and throttling** strategies to optimize API interactions, reducing unnecessary network calls by 50% and enhancing performance.
- Managed complex state management using **Redux** and integrated real-time data pipelines for fast and accurate insights.

TECHNICAL SKILLS

- Languages:** C/C++, C#, TypeScript, JavaScript, SQL
- Frameworks/Libraries:** .NET Framework, ASP.NET, React.js, Node.js, Tailwind, MySQL, HTML5, CSS3
- Tools & Concepts:** REST APIs, SSRS, Bash, Git, Agile/Scrum
- Soft Skills:** Communication, Teamwork, Problem Solving, Time Management, Adaptability

EDUCATION

Pimpri Chinchwad College of Engineering

Pune

Bachelor of Engineering

Aug 2018 - Jun 2022