

Mahendra S H

Specialist Programmer

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Professional Summary

- Specialist Programmer** with nearly 2 years of experience designing, developing, and maintaining high-performance, scalable full-stack applications from **concept to deployment**.
- ServiceNow Pro-Code**: Strong expertise in advanced ServiceNow custom application development using the ServiceNow SDK and TypeScript to build complex workflow automations.
- Backend & Microservices**: Proficient in architecting modular backend services, database optimization, and implementing automated, high-throughput batch jobs.
- Frontend & UI/UX**: Skilled in building responsive, interactive user interfaces with modern frontend frameworks to deliver high-quality, user-centric platforms.

Work Experience

Infosys — Specialist Programmer

Jul 2024 – Jun 2026

Hyderabad, India (Hybrid)

- Cargo Readiness (CMA-CGM Project)**: Architected and engineered a microservices backend using Java 21 and Spring Boot to handle event-driven container readiness assessment workflows.
- Integrated AWS SQS queues and Camunda BPM for event-driven orchestration, reducing manual verification overhead by **35%**.
- Employed Spring Batch to automate high-throughput end-date verification and backend checks, processing **50k+ active bookings** daily.
- Developed a responsive React frontend dashboard utilizing React Query and React Table, improving officer decision-making efficiency.
- Optimized database queries in PostgreSQL to reduce API response times by **20%** and enhance overall system throughput.
- Participated in regular code reviews, promoting clean code standards and Git best practices across the development team.

Merav Infotech — Software Engineering Intern

Feb 2024 – May 2024

Mysore, India (Remote)

- Spearheaded frontend feature development and designed reusable UI components using React.js and modern JavaScript (ES6+).
- Collaborated with senior engineers to integrate RESTful API endpoints, reducing initial page load times by **15%** via lazy loading and code-splitting.
- Participated in Agile sprint planning and daily standups to ensure timely delivery of software features.

Key Projects

Access Management System (ServiceNow) (ServiceNow SDK, TypeScript, GlideRecord, Workflows)

- Engineered a secure Access Management custom application in ServiceNow using a **pro-code** approach with the ServiceNow SDK and TypeScript.
- Configured custom ServiceNow tables and programmed GlideRecord-based Business Rules, Client Scripts, and Script Includes to automate validations.
- Orchestrated approval workflows with auto-provisioning logic and group routing, reducing access grant overhead by **40%**.

SaaS Form Builder Platform (Next.js, React, Node.js, Express, PostgreSQL)

- Built a full-stack, **no-code** SaaS form builder allowing users to create and customize dynamic forms via an intuitive drag-and-drop interface.
- Created a lightweight embeddable script integration package enabling external websites to embed and render forms dynamically.
- Constructed secure REST APIs for form creation, submission tracking, and analytics tracking for **20+ client sites**.

Shadcn UI Table Generator (Astro, React, TypeScript, TanStack Table v8, Shadcn UI)

- Published an open-source developer tool that scaffolds fully-typed TanStack Table v8 columns and Shadcn UI components from JSON or OpenAPI/Swagger specs.
- Designed an intuitive schema generator that automatically infers types, reducing boilerplate table setup time by **80%** for developers.

MERN Gallery & Blog Platform (MongoDB, Express, React, Node.js, Redux, JWT, Cloudinary)

- Built a full-stack blogging and media platform with secure **JWT user authentication** and role-based access control.
- Connected Cloudinary API for high-performance image uploads and storage optimization, handling **5,000+ monthly active readers**.

Technical Skills

Languages:	Java, JavaScript, TypeScript, SQL, HTML/CSS
Frameworks & Libs:	React.js, Next.js, Spring Boot, Spring Batch, Astro, Express.js, Tailwind CSS, Shadcn UI
Enterprise Platforms:	ServiceNow (SDK, GlideRecord, Business Rules, Client Scripts, Script Includes, Workflows)
Databases & ORM:	PostgreSQL, MySQL, MongoDB, Prisma
Tools & DevOps:	AWS SQS, Camunda BPM, Git, GitHub, RESTful APIs, JWT, Cloudinary

Education

National Institute of Engineering (NIE) — B.Tech in Computer Science & Engineering

Graduated: May 2024

Grade: 7.3 / 10 CGPA | Relevant Coursework: Data Structures, Database Systems, Software Engineering

Mysore, India