

MAHENDRA S H

Full-Stack Software Engineer | Java, Spring Boot & React Ecosystems

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PROFESSIONAL SUMMARY

- Full-Stack Software Engineer with **3+ years of combined professional and enterprise experience** building scalable microservices and responsive web applications using **Java 21, Spring Boot, React, PostgreSQL**, and **AWS**.
- Skilled in event-driven architectures, **Spring Batch** processing, workflow automation with **Camunda BPM**, cloud infrastructure (**AWS SQS/SNS/S3**), database optimization, **Docker**, and **CI/CD** pipelines.
- Full-stack proficiency across **React, Next.js, TypeScript, Node.js**, responsive dashboards, secure **REST APIs**, and multi-tenant **SaaS** platforms.

TECHNICAL SKILLS

Languages & Specs: Java 21, JavaScript (ES6+), TypeScript, SQL, OpenAPI, RESTful APIs, HTML5, CSS3
Backend: Spring Boot, Microservices Architecture, Spring Batch, Camunda BPM, Apache Camel, Node.js, Express.js, REST APIs
Messaging & Cloud: Apache Kafka, AWS EC2, S3, SNS, SQS, API Management
Frontend: React.js, Next.js, Redux, React Query, TanStack Table v8, Tailwind CSS, Shadcn UI
Databases & ORM: PostgreSQL, MySQL, MongoDB, Prisma ORM, SQL query optimization & indexing
DevOps, QA & Tools: Docker, CI/CD Pipelines, JUnit, Mockito, Git, GitHub, Code Reviews, RCA, Agile/Scrum, Kanban

WORK EXPERIENCE

Infosys — Specialist Programmer / Software Developer | Jul 2024 – Jun 2026 | Hyderabad, India

- Architected microservices with **Java 21, Spring Boot**, and **OpenAPI** for **CMA CGM** container readiness workflows, integrating **AWS SQS, SNS, S3**, and **Camunda BPM** to automate decision pipelines and cut manual verification overhead by **35%**.
- Built high-throughput **Spring Batch** jobs to automate validation checks, processing **50,000+ daily booking events**.
- Engineered responsive operations dashboards using **React, TanStack Table v8**, and **React Query**, backed by tuned **PostgreSQL** queries that dropped API latency by **20%**.
- Enforced testing and delivery standards with **JUnit, Mockito, Docker**, and automated **CI/CD** pipelines.

Independent Software Development — Freelance Frontend & MERN Developer | Jun 2023 – Jun 2024 | Mysore, India

- Delivered **6+ custom production web applications** (e-commerce, SaaS tools, analytics portals) using the **MERN stack, Next.js**, and **PostgreSQL/MySQL**.
- Implemented type-safe data pipelines and modular UI architectures using **TypeScript, TanStack Table/Query, Zod**, and **Tailwind CSS**.

Merav Infotech — Software Engineering Intern | Feb 2024 – May 2024 | Mysore, India

- Developed reusable **React.js** UI components and integrated **RESTful APIs**, reducing initial page load times by **15%** via lazy loading and code splitting.
- Participated in **Agile** sprint planning, daily standups, code reviews, and cross-functional software delivery.

SELECTED PROJECTS

Cargo Readiness — CMA CGM — Java 21, Spring Boot, Kafka, AWS, Camunda, Spring Batch, React, PostgreSQL

- End-to-end event-driven microservices for container readiness; automated **50k+** daily booking validations and delivered operational **React** dashboards.

ProjectX — Generative AI Shirt Studio — Next.js, React, TypeScript, Node.js, AWS S3, Tailwind CSS

- Built a full-stack application for AI-generated shirt designs; implemented asynchronous polling/WebSocket workflows and optimized **AWS S3** asset storage.

SaaS Form Builder Platform — Next.js, React, Node.js, Express, PostgreSQL, AWS

- Built a **no-code** SaaS form builder with drag-and-drop creation, secure **REST APIs**, analytics tracking, and embeddable scripts used across **20+ client sites**.

SpendOptima — Next.js, React, Tailwind CSS, Recharts, TypeScript

- Built a responsive personal finance and expense-optimization dashboard featuring interactive budget analytics and SEO-focused frontend templates.

Shadcn UI Form & Table Generators — Astro, React, TypeScript, TanStack Table v8, Shadcn UI, Zod

- Built schema generators from JSON/OpenAPI specifications that scaffold typed **Shadcn UI** form schemas and **TanStack Table v8** components, reducing frontend boilerplate setup time by **80%**.

CERTIFICATIONS

- **Data Analyst Associate** — DataCamp (*Credential ID: DAA0011831242181 | Issued Sep 2026*)
- **PostgreSQL & Advanced SQL Specialization** — DataCamp (*Joining Data & Manipulating Data in PostgreSQL | Issued Sep 2026*)

EDUCATION

National Institute of Engineering (NIE) — B.Tech in Computer Science & Engineering | Graduated May 2024

CGPA: 7.3 / 10 | Relevant Coursework: Data Structures & Algorithms, Database Systems, Software Engineering, DBMS, Object-Oriented Design — Mysore, India