

Subham Sahu

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EXPERIENCE

Deloitte

September 2025 – Present

Software Developer 1 (Analyst 2)

Bengaluru, IN

- Architected 12+ backend APIs integrating Salesforce, DynamoDB, PolicyCenter, and Rating systems within an Agile/Scrum delivery model, reducing data-fetch latency by 30% across real-time insurance workflows.
- Provisioned AWS SQS and Dead Letter Queue (DLQ) consolidation pipelines handling 500K+ monthly transactions, cutting manual reprocessing effort by 40% across two-week sprint cycles.
- Applied a multi-layer caching strategy for credential management, reducing redundant calls to external configuration services by 35% and improving API response time by 22%.
- Modernized legacy MuleSoft services by constructing Node.js and Python AWS Lambda migration utilities, reducing per-service migration time from 5 days to 2 days.
- Engineered 4+ rule-driven insurance onboarding workflows with real-time validations and backend synchronization, cutting end-to-end onboarding time by 20%.
- Established on-demand route orchestration across 6+ distributed microservices with CI/CD pipelines via GitHub Actions, reducing deployment time by 50% and improving p95 response time by 18%.

Automotive Robotics India Pvt Ltd

January 2025 – August 2025

Full-Stack Developer

Chennai, IN

- Spearheaded a 2D blueprint designer and real-time 3D visualization platform using Three.js, reducing design iteration time by 35% for manufacturing engineering teams.
- Developed vertex and node orchestration logic for automated bill of materials (BOM) generation, eliminating 90% of manual material calculation errors and improving accuracy.
- Streamlined 5+ backend CRUD workflows for templates, attributes, and raw material records using Node.js and Express.js, improving data pipeline throughput by 25%.
- Delivered full-stack features in TypeScript, React, Redux Toolkit, and PostgreSQL with 85%+ unit test coverage, reducing frontend bug regression rate by 30%.
- Collaborated with a cross-functional Agile team of 8 engineers to unify 3D visualization systems with backend data pipelines, cutting data sync delays from 4 hours to 30 minutes.

SvelteTech Technologies Pvt Ltd

June 2023 – December 2024

Full-Stack Developer

Gurugram, IN

- Launched an end-to-end IVF teleconsultation platform serving 2,000+ patients, reducing in-person clinic visits by 90% through remote diagnostic and scheduling workflows.
- Formulated conditional patient onboarding flows with Redux Toolkit state management, increasing monthly completed submissions by 60% and decreasing drop-off by 35%.
- Deployed a multi-user LiveKit WebRTC video consultation module alongside Razorpay payment processing, enabling 300+ weekly secure remote consultations.
- Hardened platform security with NextAuth.js, bcrypt hashing, and role-based access control (RBAC), reducing unauthorized access incidents to zero across 12 months post-launch.
- Authored and documented RESTful APIs supporting 3-tier patient coordination, cutting scheduling conflicts by 45% and reducing support tickets by 30%.

PROJECTS

HomeIVF – IVF Treatment Platform | homeivf.com *React.js, Next.js, Node.js, Firebase, Redux Toolkit*

- Orchestrated Redux Toolkit state management across 10+ patient workflow screens, reducing development iteration cycles by 40% and cutting QA defect rate by 25%.
- Fortified JWT-based session restoration with silent re-authentication, reducing session-related user drop-off by 35% across mobile and desktop clients.
- Integrated Firebase Cloud Messaging, KYC verification, Razorpay payments, and S3-backed file uploads, cutting patient onboarding completion time by 50%.

QKart – E-Commerce Shopping Platform | qkart-x.netlify.app *React.js, Node.js, Express.js, MongoDB*

- Wired JWT-based authentication with refresh token rotation, enabling secure multi-device login with persistent sessions for 1,000+ concurrent users.
- Accelerated page load speed by 40% through client-side request deduplication and optimized API caching, reducing redundant network calls by 30%.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Go, Python, Bash, HTML5, CSS3

Frontend: React.js, Next.js, Redux Toolkit, Tailwind CSS, Material UI, Bootstrap 5, Three.js, Framer Motion, GSAP

Backend: Node.js, Express.js, RESTful APIs, WebRTC, Socket.io, JWT Authentication, NextAuth.js

Databases: PostgreSQL, MongoDB, DynamoDB, Firebase

Cloud & DevOps: AWS Lambda, AWS SQS, AWS EC2, Docker, Terraform, GitHub Actions, CI/CD Pipelines, Serverless Architecture

CRM & Integrations: Salesforce, Razorpay, LiveKit, Firebase Cloud Messaging

Practices: Agile, Scrum, Microservices, REST API Design, Unit Testing, Code Review

Tools & Platforms: Git, GitHub, Bitbucket, Postman, Jira, Figma, Linux, Vim, SonarQube, Snyk

EDUCATION

Crio.DO – Full-Stack Developer Certification

MERN Stack: Node.js, React.js, MongoDB, Express.js, REST APIs

March 2022 – April 2023

Remote, IN

OmDayal Group of Institutions

Bachelor of Technology, Computer Engineering

August 2016 – June 2020

West Bengal, IN