

Harsh Sawant

8451933708 | harshhsawaant@gmail.com | www.linkedin.com/in/hs-software-developer | github.com/harsh819 | Mumbai, Maharashtra, India

PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience delivering scalable web applications and solving complex engineering challenges across software development, production support, automation, and cloud infrastructure. Proficient in React.js, Next.js, Node.js, GraphQL, AWS, Linux, and Python, with hands-on experience in API automation, deployment, reverse engineering, production troubleshooting, and operational workflow optimization. Comfortable working across frontend, backend, infrastructure, and technical operations to build reliable, business-critical solutions

TECHNICAL SKILLS

Languages

JavaScript (ES6+), Python, SQL

Frontend

React.js, Next.js, Vite.js, Redux, Tailwind CSS

Backend

Node.js, Express.js, NestJS, GraphQL, REST APIs

Mobile

React Native

Databases

PostgreSQL, MongoDB, MySQL, Redis

Cloud & Infrastructure

AWS EC2, AWS S3, Docker, Nginx, PM2, Linux, GitHub Actions, CI/CD

Tools

Git, GitHub, Postman, VS Code

Core Engineering

RBAC, Workflow Automation, API Debugging, Reverse Engineering, Production Troubleshooting, System Deployment

PROFESSIONAL EXPERIENCE

Software Programmer | Enpointe IT Services Pvt Ltd

July 2023 – Present

- Developed and maintained production-grade web applications serving 10,000+ users using Next.js, Node.js, GraphQL, and PostgreSQL.
- Built and enhanced business-critical modules, including Box Office and Auditorium Management, supporting operations across India, GCC, and Indonesia.
- Designed and implemented Role-Based Access Control (RBAC) to secure application workflows and streamline user management for business teams.
- Developed scalable dashboards, CMS modules, and operational tools to improve content management, reporting, and day-to-day business operations.
- Optimized backend performance by integrating PostgreSQL and Redis caching strategies, improving application responsiveness.
- Automated repetitive operational workflows by analyzing and reverse-engineering REST and GraphQL API request flows, significantly reducing manual effort and improving execution accuracy.
- Developed Python-based automation scripts and internal utilities to streamline repetitive operational tasks

and increase team productivity.

- Managed application deployments and production environments using AWS EC2, S3, Docker, Nginx, PM2, GitHub Actions, and Linux, ensuring reliable releases and system availability.
 - Diagnosed and resolved production issues across frontend, backend, deployment, and infrastructure layers, supporting business-critical applications and minimizing downtime.
 - Investigated client-side application issues, including deployment-related and Windows executable problems, to ensure smooth operational workflows.
 - Optimized frontend performance, responsiveness, accessibility, and SEO using modern React.js and Next.js best practices.
 - Collaborated with cross-functional teams to analyze operational requirements, automate business processes, and deliver scalable software solutions.
-

Professional & Independent Projects

Arzen – Digital Signage & Cinema Operations Platform

Tech Stack: NestJS, Vite.js, PostgreSQL, Electron, Python, Linux, HTML, CSS

- Contributed to a production-grade digital signage platform used for cinema operations, enabling management of concession menus, movie schedules, auditorium displays, video walls, trailers, and promotional content across multiple cinema locations.
- Maintained and enhanced the Signage Dashboard by developing operational features including Read-Only Role Management, device health monitoring, Excel report export, and time-based content scheduling for content management teams.
- Diagnosed and resolved client-side display issues across HTML-based Box Office and Auditorium applications, ensuring accurate rendering of movie posters, schedules, and promotional content.
- Troubleshoot Linux-based firmware, ISO images, and Electron applications by analyzing system resources, storage, and network configuration using Linux administration tools such as htop, df -h, and nmtui.
- Configured and deployed digital signage devices, including custom display resolution setup, device provisioning, and startup issue resolution for production environments.
- Developed Python automation scripts to generate standardized promotional content templates after the existing content generation process became unavailable, reducing manual effort for content management teams.
- Built operational dashboards enabling Head Office teams to monitor online/offline device status across cinemas and export reports for operational analysis and decision-making.

NSOS – Citizen Grievance & Municipal Engagement Platform

Tech Stack: Next.js, React Native, Node.js, PostgreSQL, REST APIs

- Developed a multi-tenant digital platform enabling municipal representatives (Nagarsevaks) to engage with citizens through dedicated web portals, mobile applications, and administrative dashboards.
- Designed and implemented a grievance management system allowing citizens to submit complaints with image attachments, track issue status, and receive updates as cases progressed through resolution workflows.
- Built dashboard features for municipal teams to manage grievances, monitor progress, update ongoing public works, and analyze area-wise issue trends for better operational decision-making.
- Developed a project progress tracking module allowing teams to publish updates on infrastructure initiatives such as road construction, street lighting, and civic development with percentage-based completion tracking.
- Implemented a tenant onboarding workflow where each representative received an isolated web portal, mobile application, and dashboard through a unique verification code generated during onboarding.
- Built secure authentication and onboarding modules for administrators, automatically provisioning login credentials and configuring branding elements including party identity, logos, and color themes for each tenant.

- Contributed to the React Native mobile application, integrating backend APIs and supporting customized application builds linked to individual municipal representatives.

Citrine Wellness Center Management System

Tech Stack: Vite.js, Node.js, Express.js, MySQL

- Developed a role-based wellness center management system to streamline appointment scheduling, therapist management, inventory tracking, billing, and operational reporting.
- Built an **Admin Dashboard** enabling reception staff to onboard therapists, manage appointments, record payment details, maintain inventory, and upload invoices for operational record keeping.
- Designed and implemented a **Super Admin Dashboard** providing centralized visibility into therapist performance, therapy sessions, revenue, and daily financial reports.
- Developed modules for payment tracking across multiple payment methods, including Cash, UPI, Credit Card, Debit Card, and Net Banking, simplifying daily account reconciliation.
- Built RESTful APIs and integrated frontend workflows to ensure efficient communication between administrative modules and backend services.
- Implemented secure role-based access control and optimized CRUD operations for reliable day-to-day business management.

Ancient Avenue – Ayurvedic E-Commerce Platform

Tech Stack: Next.js, Node.js, Express.js, MongoDB

- Developed the customer-facing storefront using **Next.js**, enabling users to browse products, manage profiles, place orders, and track order status through a responsive shopping experience.
- Built and integrated a comprehensive **Admin Dashboard** for product catalog management, banner administration, user management, and business operations.
- Implemented analytics dashboards providing insights into daily and monthly revenue, customer growth, and overall sales performance.
- Developed secure REST APIs and integrated frontend workflows for product management, order processing, and user account operations.
- Optimized responsive UI components and frontend performance to deliver a seamless user experience across desktop and mobile devices.

CORE STRENGTHS

- Workflow Automation
- API Debugging & Reverse Engineering
- Full Stack Development
- Production Troubleshooting
- Deployment & Infrastructure Support
- Operational Problem Solving

EDUCATION

University of Mumbai | Mumbai, Maharashtra, India

Bachelor of Science in Computer Science | Aug 2020 – Mar 2023