

ABHISHEK SONAWANE

Senior Software Engineer · AI & Automation Systems

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[Portfolio](#)

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PROFILE

Senior Software Engineer with a track record of identifying broken operational systems and replacing them with self-hosted AI pipelines. At Simplotel, built Argus Sentinel — a production LLM + n8n routing system processing 300+ tickets/day at 99.2–99.6% accuracy, reducing infrastructure cost from ₹50,000 to ₹438/month.

Work independently from problem identification to production deployment across AI integration, workflow automation, backend systems, and infrastructure — without being assigned the problem.

300+ Tickets/Day · 99.6% Accuracy · ₹50k → ₹438/month · 20,000+ Plugins Audited · 50+ Websites Shipped

EXPERIENCE

Senior Software Engineer Simplotel Technologies

July 2023 – Present
Bangalore, India

SaaS platform providing website, booking engine, and CRM solutions to hotels globally.

AI & Automation Systems

- Designed and shipped Argus Sentinel — self-hosted LLM + n8n hybrid pipeline routing 300+ support tickets/day at 99.2–99.6% accuracy, 24x7. Cost reduced from ₹50,000/month → ₹438/month. Replaced 2 full-time manual routing roles.
- Built AI-powered code QC pipeline: Jira resolves → n8n triggers → plugin code extracted → hybrid rule + LLM validation → engineer notified on Slack. Eliminated manual QA bottleneck.
- Designed full operational automation layer using App Script and n8n: oncall assignment (Jira → scrum sheet → Slack), daily SLA reporting, pre-breach alerts, and auto work-log to engineer sheets.
- Introduced and self-hosted n8n at Simplotel. Became internal automation owner — all departments routed automation problems through me post-adoption.
- Self-hosted all LLM infrastructure (LLaMA 3 → Gemma 3:4B) — zero external data exposure. Selected models based on accuracy vs latency tradeoffs for production use.
- Integrated Jira, Slack, Zoho across automation workflows — cross-system orchestration for ops, engineering, and support teams.

Platform & Product Engineering

- Sole owner and maintainer of two production repositories: SimplotelAI (automation platform) and Golden Plugins (CMS plugin library). Responsible from architecture to deployment.
- Built Golden Plugins library — 25+ reusable hotel website features (availability calendar, room rates, exit intent, offer toasters) as plug-and-play plugins inheriting each hotel's design system.
- Audited 20,000+ custom plugins across 2,000+ hotel websites — identified patterns and built a 30+ snippet library, standardising implementation across the engineering team.
- Built custom visual headless CMS (React + TypeScript + Node.js): page editor, live preview, media editing, auto-minify on save, automatic GitHub commits for version control.
- Delivered 4 end-to-end client website projects — requirements to production — including a parent + 6 child property hotel group. Managed client calls, design, development, testing, and iterations independently.
- Migrated admin panel from Ember v1.13 → React v18 with Redux, TypeScript, SCSS, and Tailwind. Optimised CMS widget load time from 8+ seconds → under 2 seconds.
- Built and shipped 50+ hotel websites. Implemented WCAG accessibility standards and frontend Pub/Sub event tracking integrating GA, Facebook Pixel, and custom analytics.

Software Engineer Intern Digikull

November 2022 – July 2023
Pune, India

Frontend development role. Built React-based web applications, reusable components, REST API integrations, and participated in code reviews.

Stack: React, Redux, JavaScript, Tailwind CSS, HTML, CSS

SELECTED PROJECTS

AI Content Pipeline — Automated Content Factory 2026

n8n · Telegram Bot API · Serper API · OpenAI · NotebookLM · Hostinger VPS

- ▶ Built end-to-end AI content pipeline: topic sent via Telegram → web research → LLM generates 3 scripts → delivered in under 30 seconds → NotebookLM generates 60-90 sec video with voiceover.
- ▶ Self-hosted on ₹438/month VPS. Cost per reel: ₹0.73. Designed to run 10 channels at 20 reels/day for 1 operator.
- ▶ Built and deployed complete system in under 18 hours. Full architecture and workflow JSON open-sourced on GitHub.

Kamal Kisan — Agri-Commerce Platform 2026

React 19 · TypeScript · Node.js · Express.js · MongoDB · JWT

- ▶ Full-stack direct-to-consumer platform connecting farmers to customers. Built from personal context — grew up in farming family in rural Maharashtra.
- ▶ Admin dashboard with inventory, vendor traceability, bulk CSV upload, delivery management, and MongoDB aggregation analytics. Role-based JWT auth.

Mill Management Software — Rural ERP 2025

React · Node.js · Express.js · MongoDB · AWS EC2 · Nginx

- ▶ Cloud ERP automating 100% of manual record keeping for a Maharashtra grain processing mill. 70% faster transaction processing. Running in production for 1+ year on AWS EC2.

SKILLS

AI & Automation	n8n (self-hosted), App Script, LLM Integration, Self-hosted LLM (Gemma, LLaMA), Hybrid AI Pipelines, Workflow Orchestration, NVIDIA NIM
Frontend	React 19, TypeScript, JavaScript (ES6+), Redux, Next.js, Tailwind CSS, SCSS, Bootstrap, HTML5, CSS3, WCAG / Accessibility
Backend & Infra	Node.js, Express.js, MongoDB, SQL, REST APIs, Docker, AWS EC2, Nginx, VPS Management, Git, GitHub
Tools & Platforms	Jira, Zoho, Slack, Google Sheets, Serper API, Google Analytics, Facebook Pixel, Figma

EDUCATION

Bachelor of Science 2021

Deogiri College, Aurangabad, Maharashtra