Jadamal Sangeetha Choudhary

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Summary

Full stack developer who builds and ships production systems across authentication, multi-channel notifications, SLA workflows and cloud deployment. Keenly interested in DevOps and deployment, with a sharp eye for design and how a product looks and feels. Has taken client projects from requirement discussions and on-site demos through to production release.

Experience

Full Stack Development Intern, Nirmitee — Aug 2025 – Jun 2026

- Worked as the primary engineer on **3+ production applications**, from requirement discussions and system design through deployment and post-release support, and presented demos to clients at their offices.
- Designed the **notification system** for **2 projects**: email, SMS, WhatsApp and Firebase push on **BullMQ** and **Redis**, with retries.
- Delivered **WhatsApp notifications** with image previews without any messaging API, using **Pug** and Open Graph tags.
- Implemented **role-based access control** across **3 projects**, and integrated **Single Sign-On (SSO)** with an application built by another team, mapping two different role models into one authorization flow.
- Built **SLA escalation schedulers** with node-cron that move overdue queries up the hierarchy and send scheduled email reports.
- Completed **load testing** and **VAPT** fixes, adding security headers, CSP, CORS rules and login rate limiting.
- Containerized applications with **Docker** and set up **AWS** EC2, S3 and **CI/CD** pipelines for dev and production.
- Built reusable **Epic** and **FHIR** login components with **Storybook** for an open-source healthcare library.

Projects

V-Stores — Aug 2026 – Present

Tech Stack: **React, TypeScript, Express.js, Prisma, PostgreSQL, Razorpay, Docker**

- Designed one system for a running offline store going online, handling the shop counter and online orders together.
- Built **POS billing** with barcode scanning, inventory with bulk import for **16,000+ products**, online orders, payments, receipts, **Shiprocket** delivery, and WhatsApp, SMS and email notifications.
- Stopped duplicate orders from payment callbacks with **idempotent** settlement, and cut load time from **3.13s to 0.30s**.

Booth Sahayak — Oct 2026

Tech Stack: **React, TypeScript, Tailwind CSS, Supabase, PostgreSQL**

- Web app that helped a panchayat election campaign manage **3,840 voters** across **4 booths**.
- Built voter lists, **Hindi and English localization**, booth-wise access, live turnout tracking and an offline edit queue.
- Extracted voter data from Hindi PDF rolls, the hardest part of the project, and built **Devanagari to English** name conversion.

Writely — Jun 2024 – Mar 2025

Tech Stack: **Next.js, TypeScript, MongoDB, Tiptap, Zod, Cloudinary**

- Full-stack blogging platform where writers draft, schedule and publish articles, and readers follow the authors they like.
- Built a **block editor** with draft autosave, code blocks in **16 languages**, Unsplash image search and video embeds.
- Added **scheduled publishing**, **full-text search**, a time-decay trending feed, follows, comments and author activity heatmaps.
- Designed **real-time collaboration** with Yjs CRDTs, and used compare-and-set updates to stop duplicate publishing.

Open Source

OWASP OpenCRE — Nov 2025 – Jan 2026

- Fixed **Docker** build failures on ARM64 and Apple Silicon, and improved navbar **accessibility** for screen readers.

p5.js Website — Nov 2025 – Jul 2026

- Fixed **Hindi localization** issues across the homepage and interface, and added missing Spanish and Hindi translations.

Brand Model Variant Selector — Oct 2025

- Published an **npm package** with **400+ downloads** for cascading brand, model and variant dropdowns.

Skills

Languages: JavaScript, TypeScript, Python, C++, SQL
Frontend: React, Next.js, HTML, CSS, Tailwind CSS, Shadcn/UI, MUI, Storybook
Backend: Node.js, Express, Django, REST APIs, JWT, SSO, RBAC, BullMQ, Firebase Cloud Messaging
Data: PostgreSQL, MongoDB, MySQL, Redis, Prisma
Cloud and Tools: AWS (EC2, S3, CloudFront), Docker, GitHub Actions, CI/CD, Vercel, Git, Postman, Jest
Fundamentals: DSA, OOP, DBMS, Operating Systems, Computer Networks, System Design

Education

Lovely Professional University — Phagwara, Punjab
B.Tech in Computer Science and Engineering, CGPA: 8.4 — *Aug 2022 – Aug 2026*