

Jainth A

Software Engineer

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SUMMARY

Full-stack engineer with four years across the MERN stack and Flutter, currently building product at AssetPlus. Designs and operates Study Room single-handedly — a live study and interview-prep platform whose code-execution engine, realtime layer and billing I built myself. Comfortable owning a feature from data model to interface, and from deploy to the incident that follows.

EXPERIENCE

AssetPlus

Chennai, India · On-site

Software Engineer I

Nov 2025 – Present

Junior Software Engineer

Apr 2025 – Nov 2025

- Build and ship product features end to end across the MERN stack, from data model and API through to the interface.
- Develop cross-platform mobile applications in Flutter alongside the web product; promoted after seven months.

Better Tomorrow Training Institute

Coimbatore, India · Hybrid

Full-stack Developer

Mar 2024 – Apr 2025

- Founding engineer on the company's core product across React, NestJS and Express, alongside client delivery work.
- Taught C, Java and MERN-stack development part-time to students across partner colleges.

Incresco

Bangalore, India · On-site

Software Engineer, Internship

Aug 2022 – Mar 2023

- Maintained core web services and websites, and shipped new features alongside senior engineers.
- Worked in React, Next.js, NestJS, GraphQL, React Native and Storyblok.

Indian Institute of Technology Bombay

Mumbai, India

Summer Research Fellow

May 2022 – Jul 2022

- Researched Hyperledger Fabric under Prof. R. K. Shyamsundar on an Indian Science Academies fellowship, building a short project on food tokenisation.

PROJECTS

Study Room — studyroom.co.in

Sole engineer & designer

- Built a self-hosted code-execution engine for JavaScript, Python, C, C++ and Java: per-test-case scoring against hidden tests, compile-error reporting, time-limit enforcement and a concurrency-bounded priority queue — no per-execution API cost.
- Implemented voice and video as a WebRTC peer-to-peer mesh, avoiding a media server entirely for rooms of up to six.
- Made the shared Pomodoro timer server-authoritative over WebSocket, so every late joiner sees the same countdown.
- Integrated Razorpay subscriptions with HMAC-verified webhooks, and Google OAuth 2.0 with JWT sessions.

React 19 · Vite · Node.js · Express · MongoDB · Socket.io · WebRTC · Razorpay · Railway & Vercel

Aarvam — aarvam.cybernaut.co.in

Full-stack, freelance · Cybernaut EdTech

- Registration-to-results platform for a 24-hour college hackathon: UPI-verified sign-up, leak-proof timed assessments, QR desk check-in and staged results, with MongoDB transactions so no seat sells twice. All 20 team seats sold.

React 18 · React Query · Node.js · Express (85 routes) · MongoDB · AWS S3 · Brevo · Vercel & Railway

Client websites

Freelance

- **SM Exports** — agricultural export storefront on Next.js, with Storyblok as CMS so the client edits the catalogue itself.
- **ERCON Group** (Saudi industrial contractor) and **Little Beez** (early-childhood education) — Next.js and Tailwind CSS sites.

SKILLS

Languages	JavaScript, TypeScript, Dart, Java, C, C++, Python
Frontend	React, Next.js, Tailwind CSS, Vite
Backend	Node.js, Express, NestJS, GraphQL, Socket.io, REST API design, realtime systems
Mobile	Flutter, React Native
Data & tooling	MongoDB, WebRTC, Razorpay, Cloudinary, Storyblok, Hyperledger Fabric, Git, CI/CD

EDUCATION

Kongu Engineering College, Erode — B.E. Computer Science Engineering

2020 – 2024