

Jatin

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EDUCATION

Dronacharya College of Engineering

Bachelor of Technology in Computer Science and IT; CGPA: 7.7

Gurugram, Haryana

2022 – 2026

EXPERIENCE

WysBryx Technologies

Full Stack Developer Intern

Remote

Nov. 2025 – Present

- Architected internal ERP **Synergy** using **MERN Stack** and **TypeScript** for 50+ users, automating weekly reporting via cron jobs to reduce manual effort by **40%**.
- Secured sensitive HR data via **RBAC/JWT** middleware for 4 user roles and standardized **40+ RESTful endpoints** using **Swagger** for seamless integration.
- Engineered a reusable **Tiptap** rich-text editor with local caching, decreasing initialization latency by **30%** to enhance content creation efficiency.
- Developed **Geberit DXF Estimator**, a serverless platform using **React**, **Hono**, and **AWS Lambda** (SST) to automate complex CAD drawing analysis and material takeoffs.
- Designed a cost-effective single-table **DynamoDB** schema and implemented **AWS Cognito** auth, reducing infrastructure costs to **\$21/mo** while ensuring enterprise security.

PROJECTS

Enterprise Orchestration Platform | [Repository](#)

TypeScript, React, Node.js, Express, MongoDB, Zustand, Zod, Jest

- Architected a secure, scalable monorepo architecture using **Node.js** and **TypeScript**, implementing granular **RBAC** via **JWT** middleware to govern multi-level user permissions.
- Engineered a type-safe frontend ecosystem using **Zustand** for centralized state management and **Zod** for runtime validation, eliminating data inconsistency across complex modules.
- Standardized backend reliability by integrating **Swagger** for automated API documentation and establishing robust **Jest** testing pipelines for the RESTful infrastructure.

Video Streaming Architecture | [Repository](#)

Node.js, Express, MongoDB, Cloudinary, Bcrypt, JWT, Multer

- Developed a high-performance backend handling complex data relationships using **MongoDB Aggregation Pipelines**, optimizing query execution time for video feeds.
- Implemented secure authentication utilizing **JWT** and **HttpOnly cookies** to prevent XSS attacks and manage user sessions effectively.
- Integrated **Cloudinary** for optimized video storage and retrieval, ensuring low-latency media delivery across varying bandwidths.

E-Commerce Web Platform | [Repository](#)

React, Redux Toolkit, Node.js, Stripe, Nodemailer, MongoDB

- Built a feature-rich shopping platform using **Redux Toolkit** for global state management of carts and user profiles, reducing unnecessary re-renders.
- Integrated **Stripe API** to process secure transactions and implemented **Nodemailer** for automated OTP verification and order notifications.
- Designed a dynamic admin dashboard for real-time inventory management, supporting complex CRUD operations for product listings.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, Java, SQL, HTML/CSS

Frontend: React.js, Next.js, Redux Toolkit, TailwindCSS, Shadcn/ui

Backend: Node.js, Express.js, REST API, JWT, Socket.io

Databases: MongoDB (Mongoose), PostgreSQL (Drizzle ORM)

DevOps & Tools: Git, Docker, Postman, Swagger, Vitest, Jest