Ayan Hasnain

ayanhasnain2572006[@gmail.com](mailto:name@gmail.com) | <https://www.linkedin.com/in/ayan-hasnain-543475260> | [github.com/ayanhasnain03](https://www.hardwareishard.net/portfolio-database)

Skills

**Languages**: C++, Javascript, Typescript, Golang, Rust, Shell Scripting

**Frontend:** Reactjs, Nextjs, Nuxt, Vue, Svelte, Turborepo, Tailwind, Styled Components, Zustand ,Redux, Jotai, MobX, Recoil, React Query, Microfrontend , Storybook, Atomic Design, PWA,Service Workers,hooks,ShadCN, Emotion, Frammer, Three.js, Rf3, Rtk Query,

**Backend:** Node.js (Express.js, Fastify), Hono, Nestjs, MicroService, Apache Kafka, Redis, RabbitMQ, Amazon SQS, BullMq, Rest, gRPC, tRPC, GraphQL, WebSockets, WebRTC, FFmpeg, adaptive bitrate streaming,FCM, Design Patterns, Winston, Pino, Multer, Nodemailer.

**Database:** PostgreSQL, MySQL, Cassandra, MongoDB, DynamoDB.

**DevOps:** Linux, AWS (EC2, S3, Lambda, EKS, RDS, ECR, Amplify), Docker, Nginx, Docker Swarm, Kubernetes, Jenkins, Github Action, ArgoCD, Terraform, Ansible, Prometheus, Grafana, Datadog, New Relic,Traefik.Helm.

**Testing:** Jest, Mocha, Chai, Cypress, Cypress, Puppeteer, Selenium, Postman.

**Security:** CSP , Helmet.js, Sanitization, ORMs , CSRF Tokens, SameSite Cookies, Encryption(AES-256, bcrypt, Argon2), JWT, MFA, CORS, Rate Limiting, CAPTCHA.

**Other:** Monorepo, pnpm, Webpack, Vite, Rollup, Sass/SCSS, ESLint, Prettier, FCM, Twilio.

Experience

**Freelance Web Developer | FashAt (E-Commerce Platform)** Present

[https://freelance-eccomerce.vercel.app](https://freelance-eccomerce.vercel.app/) (Development)

Designed and developed a fully integrated, end-to-end order management system with comprehensive coupon management functionalities, ensuring ACID-compliant transactions for order placements, coupon validations, and redemptions.

Achieved a 30% reduction in order processing time as measured by throughput metrics by implementing a real-time interactive dashboard featuring advanced filtering, sorting, and pagination for efficient management.

Enhanced system reliability by leveraging robust ACID transaction principles across all modules, reducing order errors by 25% through automated error handling and detailed logging mechanisms.

**Freelance Web Developer | UAE Regional Robotics Competition** Pending

[https://robo-fest.vercel.app](https://robo-fest.vercel.app/)

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Developed the website for the UAE Regional Robotics Competition using Next.js, NextAuth, and Framer Motion.

Integrated NextAuth for secure user authentication and implemented payment processing for registrations.

Designed responsive UI with Framer Motion for interactive animations and dynamic user experience.

Project on hold due to company conflict, currently pending.

Projects

**Node-Express Video Transcoder API**

[**https://github.com/ayanhasnain03/Video-Transcoder**](https://github.com/ayanhasnain03/Video-Transcoder)

Developed a Node.js API using Express to transcode video files into HLS and TS formats, enabling seamless video streaming. Integrated automated transcoding, file management, and local storage cleanup, with future plans for S3 and Cloudfront integration.

**own-express-lib**

[**https://github.com/ayanhasnain03/own-express-lib**](https://github.com/ayanhasnain03/own-express-lib)

Developed and maintained a custom Express.js library used for streamlining API development, including features like error handling, request validation, and response formatting; published for internal or open-source use

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