

Aditya Basude

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EXPERIENCE

Xcellify

Backend Developer Intern

Jun 2025 – present

Remote

- Designed and built a **backend-driven AI flashcard system** with **PDF ingestion support**, enabling automated flashcard generation using LLMs.
- Integrated **Meta Business WhatsApp APIs** to trigger real-time backend events such as **payment success notifications** and **student-vendor connection alerts**.
- Implemented **Azure AI Search** to support semantic **product discovery and retrieval** across backend services.
- Centralized and documented **microservices APIs** using **Swagger**, improving service clarity and maintainability.
- Assisted in **production deployments** by executing build-and-publish scripts and applying **Kubernetes deployment configurations**.
- Worked with **Azure AI Foundry**, utilizing multiple LLMs including **GPT-4o, GPT-5, and GPT-5.1** for scalable AI-powered backend services.

Zymo

Backend Developer Intern

Apr 2025 – Aug 2025

Remote

- Transitioned **100K+ user accounts** from email and Google-based access to **phone OTP authentication**, ensuring seamless migration with zero data inconsistency.
- Architected a **multi-vendor car rental platform**, enabling partner onboarding and scaling daily transactions from **zero to consistent active bookings**.
- Hosted the **client application on Firebase Hosting** while provisioning **serverless backend logic via Firebase Cloud Functions** for scalable execution.
- Implemented **function-based event handlers** to automatically dispatch **reservation notifications** to internal teams and partner vendors at booking completion.
- Set up CI/CD pipelines with GitHub Actions, reducing deployment time by 40% and enabling consistent, automated releases.

PROJECTS

Echo | GO, NGINX RTMP, Redis, AWS (S3, ECS, Lambda), gRPC, Auth0, Docker | [GitHub](#) | [Live](#)

- Architected a full-stack live-streaming platform using React frontend and Go **microservices**, deployed video transcoding service on **AWS ECS** for scalable processing.
- Built high-performance backend with **Redis** for caching, optimizing data access and reducing latency.
- Engineered a **gRPC**-based video transcoding service with **FFmpeg** for multi-resolution processing (240p to 1080p), utilizing **AWS S3** for scalable content delivery.

Trend | NextJS, Apollo GraphQL, TailwindCSS, PostgreSQL | [GitHub](#) | [Live](#)

- Built a social platform for creators to share and tag memes, fostering community engagement and creativity.
- Designed a responsive frontend using **NextJS** and TailwindCSS, ensuring a user-friendly interface.
- Developed a hybrid backend combining **GraphQL** and REST API, delivering a smooth and efficient user experience.

Sketch.io | ReactJS, Express.js, Socket.io, CSS, Redux | [GitHub](#) | [Live](#)

- Created a multiplayer online game connecting users globally for an interactive drawing and guessing experience.
- Implemented **real-time** multiplayer connectivity using Socket.io, ensuring minimal lag and high scalability.

TECHNICAL SKILLS

Languages: Typescript, Javascript, C++, Go

Backend: GraphQL, Express.js, gRPC, Microservices Architecture, Socket.io, RabbitMQ, Serverless Architecture

Frontend: ReactJS, Next JS, Flutter

Database: MongoDB, Redis, PostgreSQL

Cloud: AWS, Azure AI Search, Azure AI Foundry, Firebase

Tools: GitHub, Git, Docker

EDUCATION

Mumbai University

Bachelor of Engineering in Artificial Intelligence and Data Science

2023 – 2026

7 CGPA