

PROJECTS

- SaaS Multi-Tenant Platform** | *Next.js, Node.js, AWS, Stripe, PostgreSQL* 2025
- Architected and launched a scalable SaaS platform supporting multi-tenancy, subscription billing (Stripe), and role-based access control.
 - Implemented SSR with Next.js, RESTful APIs with Node.js, and deployed on AWS ECS with CI/CD pipelines.
- Real-Time Collaboration App** | *React, WebSockets, Firebase, Docker* 2024
- Developed a Google Docs-style collaborative editor with real-time updates using React, WebSockets, and Firebase Realtime Database.
 - Containerized the app with Docker for seamless deployment and scaling.
- AI-Powered Content Generation Tool** | *OpenAI API, FastAPI, React, Vercel* 2024
- Built a web app for automated blog and copywriting using OpenAI's GPT models, with a FastAPI backend and React frontend.
 - Deployed globally on Vercel with serverless functions for low-latency inference.
- E-Commerce Platform with Microservices** | *NestJS, GraphQL, MongoDB, Redis, Kubernetes* 2023
- Engineered a microservices-based e-commerce platform with NestJS, GraphQL APIs, and MongoDB for product and order management.
 - Used Redis for caching and Kubernetes for orchestration and scaling.
- Progressive Web App for Task Management** | *Vue.js, PWA, Service Workers, GCP* 2023
- Created a mobile-first PWA for task management with offline support using Vue.js and Service Workers.
 - Deployed on Google Cloud Platform with automated CI/CD.
- Serverless Event-Driven System** | *AWS Lambda, DynamoDB, S3, API Gateway* 2022
- Designed a serverless backend for event processing and notifications using AWS Lambda, DynamoDB, and S3.
 - Exposed RESTful endpoints via API Gateway and implemented monitoring with CloudWatch.
- Secure Authentication & Authorization System** | *OAuth2, JWT, Auth0, Express* 2022
- Implemented a robust authentication and authorization system using OAuth2, JWT, and Auth0 for a multi-user web application.
 - Integrated with Express.js middleware for secure API access and session management.