

FAHAD BIN MOHAMMAD HOSSAIN

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SKILLS

Programming Languages	C++, JavaScript, TypeScript, Python
Backend Technologies	ExpressJS, NodeJS, NestJS, RabbitMQ
Databases	PostgreSQL, MongoDB, Redis
DevOps & Tools	Docker, ArgoCD, AWS (S3, Lambda, SQS, EventBridge, EC2)

EXPERIENCE

Junior Software Engineer Sep 2024 - Present

6sense Technologies - Dhaka

- Designed scalable systems using a microservices approach, enabling high-performance communication between services using RabbitMQ, SQS and optimizing large-scale data workflows.
- Built and maintained multi-tenant architectures, allowing secure, isolated environments for organizations while sharing core infrastructure efficiently.
- Worked with CI/CD pipelines like ArgoCD, GitHub Actions and utilized Redis for caching, significantly improving software performance and responsiveness.

Backend Developer - Internship Mar 2024 - Aug 2024

6sense Technologies - Dhaka

- Contributed to a dynamic project that build with NestJS, NextJS, MongoDB etc.
- Developed and maintain RESTful APIs, ensuring seamless integration and robust data handling.
- Resolved existing bugs, and wrote unit test cases to enhance functionality and reliability.

PROJECTS

HTV – AI Powered Venture Capital Deal Management & Assessment Platform.

Tech Stack: NestJS, PostgreSQL, AWS (S3, SQS, EC2, EventBridge)

- Designed and developed a venture capital management platform using microservice architecture, serving as the primary technical solution for investment deal processing and AI-powered analysis.
- Implemented a scalable monorepo structure using Turborepo and pnpm, managing different microservices with shared packages, reducing build times by 40% and improving developer productivity.
- Integrated OpenAI's Agent SDK and vector stores to build intelligent document processing capabilities, enabling automated analysis and business plans with 95% precision in data extraction.
- Deployed cloud-native architecture using AWS services (S3, SQS, EventBridge), ensuring 99.9% uptime and horizontal scalability for document processing workloads

Reelsync.io – Multi-Tenant Video Production Project Management Platform.

Tech Stack: Next.js, NestJS, Vercel, AWS, MongoDB, Stripe, Twilio, Zoho

- Developed a multi-tenant SaaS platform tailored for video production companies to manage internal project workflows, client communication, team collaboration, and payments.
- Implemented RBAC for robust user-role-permission system with granular access control throughout the application.
- Kanban board system with customizable templates, timeline, collaborators, and task dependencies.
- Subscription billing via Stripe, automated billing with Zoho, and real-time update using Twilio.

EDUCATION

Bangladesh University of Business and Technology - BUBT

2019 - 2023

Bachelor of Computer Science and Engineering

CGPA: 3.63 out of 4