

Mohammed Adib

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EXPERIENCE

- Backend Engineer** December 2022 - June 2024
Maverick Softwares Dhaka, Bangladesh
 - REST API Development & Deployment:** Designed and developed RESTful APIs using Python and Django REST Framework, ensuring robust backend functionality. Deployed applications on AWS EC2, enhancing application accessibility and security.
 - Database & Cloud Architecture Design:** Engineered optimized database solutions and architected scalable cloud environments to support critical business applications. Leveraged Docker for containerization, ensuring consistent environments across development and production.
 - CI/CD Exploration:** Explored various CI/CD tools and implemented manual CI/CD for deployment, improving development workflows and deployment efficiency.
 - Leadership & Team Management:** Led a team of engineers to innovate and implement efficient backend solutions. Developed RESTful APIs with Python and Django, ensuring robust performance. Utilized agile methodologies to manage project timelines and enhance team productivity through code reviews and knowledge sharing.
 - Collaboration and Client Relations:** Facilitated effective communication between technical teams and non-technical stakeholders, including UI/UX designers and clients. Ensured that client requirements were meticulously met, contributing to high client satisfaction and continuous engagement.

EDUCATION

- United International University** Starting June 2025
Bachelor of Science (B.Sc.) in Computer Science Dhaka, Bangladesh
- Cumilla Govt. City College** February 2023 - June 2024
Higher Secondary Certificate (HSC), Science, GPA: 5.0 Comilla, Bangladesh

PROJECTS

- HLS Video Transcoder Application** August 2024 - September 2024
FastAPI, FFMPEG, AWS ECS, Lambda, SQS, S3, CloudFront Project Overview
 - Backend Development:** Developed a robust video transcoding service using FFMPEG for HLS, with a distributed architecture leveraging AWS ECS for container orchestration, and Lambda for serverless processing.
 - Cloud Integrations:** Integrated SQS for task queueing, utilized S3 for storage, and CloudFront for content delivery, ensuring low-latency streaming.
- Btalk - Social Media Application** June 2023 - November 2023
Django REST Framework, AWS Remote
 - Backend Development:** Developed a scalable social media backend with WebSocket integration for real-time communication.
 - Cloud Deployment:** Deployed the application on AWS, optimizing response times and enhancing user experience.
- Project Jeetubhaiya - Mentoring Platform** November 2022 - February 2023
Django REST Framework, PostgreSQL Remote
 - Backend Lead:** Designed and developed the API for user authentication and database schema for storing user data and mentor profiles.
 - Third-party Integrations:** Integrated third-party APIs for OTP verification and session scheduling.

SKILLS

- Programming Languages:** Python
- Frameworks:** Django, Django REST Framework, FastAPI
- Databases:** PostgreSQL, MongoDB, SQLAlchemy(ORM)
- Cloud Platforms:** AWS - EC2, ECS, S3, SQS, Lambda, CloudFront
- Tools:** Docker, Nginx, Celery, Redis, Git, Postman

LANGUAGES

- English:** Business level
- Bengali:** Native