

# **Abdullah Al Mamun Apu**

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## **Professional Summary**

Full-Stack Software Developer with hands-on experience building scalable web applications, AI-powered automation systems, and real-world product features using React, Next.js, Node.js, FastAPI, Python, Java, and Spring Boot. Strong background in frontend engineering, backend API development, and end-to-end problem-solving through modern technologies. Passionate about building clean, maintainable systems and contributing to impactful engineering teams.

## **Core Skills**

- Frontend: React, Next.js, JavaScript, TypeScript, HTML, CSS, Tailwind
- Backend: Node.js, FastAPI, Python, Java, Spring Boot, Django
- Databases: PostgreSQL, MySQL, MongoDB
- Dev Tools: Git, GitHub, REST APIs, Agile/Scrum, CI/CD (basic), Docker familiarity
- Additional: Stripe & Flutterwave payments, AI/LLM automation, video processing pipelines

## **Professional Experience**

### **Software Engineer Intern – Vibes Meet LLC (Remote, USA)**

Aug 2025 – Oct 2025

- Built advanced React Native app features, including HLS/ABR video player with quality selector, Picture-in-Picture, and background playback.
- Developed automated AI-powered captioning pipeline using Whisper, Silero-VAD, FastAPI, Redis, Celery, and Django REST Framework.
- Integrated multi-currency wallet system using Stripe PaymentSheet, Apple Pay, Google Pay, and Flutterwave.
- Improved performance, refactored components, and collaborated with backend engineers on scalable APIs.

### **WIL Frontend Developer – Lambton College**

Sep 2024 – Jan 2025

- Built responsive web apps using React, Next.js, Tailwind, and TypeScript.
- Implemented reusable UI components and optimized frontend performance.

- Worked closely with team members following Agile methodologies for sprint planning and delivery.

### **Software Developer – Goonfol Technologies, Dhaka**

Jun 2021 – Feb 2023

- Developed full-stack features for production systems using Java, Spring Boot, and React.
- Built RESTful APIs and optimized backend logic and SQL queries for performance.
- Collaborated in an Agile environment and contributed to architectural improvements and server optimizations.

## **Projects**

### **Automatic Video Generating AI Engine**

AI-powered pipeline automating ideation → scripting → sourcing → editing → rendering, reducing production time by 90%. Built using FastAPI + React/Vite with Gemini, Pexels, ElevenLabs, and Shotstack.

Tech: React, TypeScript, FastAPI, Python, Gemini, Docker

Source: [github.com/almamun-git/automatic-video-generating-ai-engine](https://github.com/almamun-git/automatic-video-generating-ai-engine)

Live: [automatic-video-generating-ai-engine-2.onrender.com](https://automatic-video-generating-ai-engine-2.onrender.com)

### **Intelligent Operations Workflow Assistant**

Real-time incident triage platform using FastAPI + Next.js for high-volume event ingestion, AI classification, and automated workflows.

Tech: Next.js, TypeScript, FastAPI, SQLAlchemy, PostgreSQL, OpenAI

Source: [github.com/almamun-git/Ops-Assist-AI](https://github.com/almamun-git/Ops-Assist-AI)

Live: [ops-assist-ai-frontend.vercel.app](https://ops-assist-ai-frontend.vercel.app)

## **Education**

Post-Graduate Certificate – Full Stack Software Development, Lambton College, Toronto –

2023 - 2025

B.Sc. in Computer Science and Engineering – East West University, Dhaka –

2016 - 2021