Abdullah Al Mamun Apu

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GitHub: github.com/almamun-git | Portfolio: mamunapu.tech | LinkedIn: linkedin.com/in/almamun-in

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

Live: 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

Live: 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