

Tahmid Choudhury

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PROFILE

Software Engineer with a strong focus on React, TypeScript, and modern frontend development, and experience shipping full-stack applications to production. Comfortable owning features end-to-end, with practical exposure to CI/CD pipelines and cloud deployments.

SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, Tailwind CSS

Backend: Node.js, Express, Firebase

Tooling & Deployment: Git, GitHub Actions, Docker, AWS EC2, Linux

Practices: CI/CD, Agile, TDD

EXPERIENCE

Frontend Engineer

Oct. 2025 – Present

TiiQu

Remote

- Led Agile development of a D3.js knowledge graph, scaling to 100k+ records via recency-based pagination.
- Managed technical trade-offs to optimize performance, implementing node clustering and Canvas for 60 FPS.
- Migrated Neo4j to open-source D3.js, reducing costs by 80% and improving performance by 35%.
- Collaborated with engineers to ship compartmentalized, robust code and documentation for complex features.

Freelance Fullstack Engineer [Contract]

Aug. 2025 – Sep. 2025

FirstClassMaths

Remote

- Modified a legacy platform that supports 1M+ visitors monthly and improved load speeds by 40% using caching.
- Migrated legacy assets to AWS S3 and CloudFront to optimize global content delivery and reduce latency.
- Configured CloudWatch for real-time monitoring and anomaly detection to ensure high system availability.

Full-Stack Developer

Sep. 2023 – Sep. 2025

Hatch Tuition/Tacknowledge

Hillingdon, West London

- Designed and deployed a custom Exam Generator using Node.js, automating paper creation and reducing administrative overhead by 50%.
- Enhanced parent engagement by building automated progress reports and digital feedback channels, increasing transparency and data-driven insights.
- Architected a centralized student database, improving data retrieval speeds for academic tracking.

PROJECTS

LumenWalk | *Next.js, TypeScript, Mapbox, AWS EC2, CI/CD*

Aug. 2025 – Aug. 2025

- Implemented observability with Prometheus and Grafana for real-time metrics and system monitoring.
- Deployed containerised app on AWS EC2 with GitHub Actions CI/CD for scalable, reliable delivery.

GCSE Maths Exam Builder | *Next.js, Node.js, Firebase, Docker, LaTeX, TypeScript*

Mar. 2025 – Aug. 2025

- Built an end-to-end service generating GCSE Maths papers from 800+ questions to aid student exam prep.
- Dockerised LaTeX paper generation, reducing prep time by 40% and delivering instant PDFs.

EDUCATION

Makers Academy

Remote

8-week software engineering bootcamp focused on Agile, TDD, and full-stack development

Jan 2024 – Mar 2024

[REDACTED]

London, UK

A-Levels: A Mathematics, A Physics, A Chemistry*

HOBBIES & INTERESTS

- Fitness & Martial Arts – Wrestling, Brazilian Jiu-Jitsu, and Calisthenics.