

ABDULLAH AL NAYEM

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SUMMARY

Full-Stack Software Engineer with 3+ years building scalable, high-performance web applications using Python, React, and AWS. MSc Software Engineering, Kingston University. Based in London, UK, open to relocation.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C++, C, C#, HTML, CSS, SQL

Backend: Django REST Framework, FastAPI, Node.js, Express, Celery, Redis, PostgreSQL, MySQL, MongoDB

Frontend: React.js, Next.js, Zustand, React Query, Tailwind CSS, Responsive Design, SSR, SSG

Cloud & DevOps: AWS (EC2, S3, RDS, CloudFormation), Docker, Linux, Nginx, CI/CD, GitHub Actions, REST API

Additional: PyTest, Jest, Postman, Git, Jira, Agile/Scrum, Unit Testing, Bootstrap, jQuery, ASP.NET Core, Prisma

PROFESSIONAL EXPERIENCE

Software Engineer II, Enosis Solutions — Dhaka, Bangladesh Dec 2022 – Jul 2024

- Built and optimized RESTful APIs for a 50K-user LMS using Celery async tasks and Redis caching, reducing p95 latency from **800ms to 280ms** through query optimization and retry logic.
- Automated AWS infrastructure and deployments using CloudFormation IaC and CodeDeploy with GitHub Actions CI/CD, enabling zero-downtime blue-green deployments and **50% faster release** cycles.
- Refactored React/TypeScript inventory frontend with Zustand state management and React Query caching, reducing API calls by **65%**, component re-renders by **40%**, and page load times by **30%**.
- Implemented PyTest-based unit tests with **80%+** coverage and participated in Agile sprint planning and **50+ PR** reviews, ensuring code quality, maintainability, and consistent release standards.

Junior Software Engineer, LII Lab — Sylhet, Bangladesh Mar 2021 – Mar 2022

- Built an in-house email marketing system powered by **AWS SES**, featuring a fully automated campaign pipeline handling **40K+ sends** per month, achieving **30% cost savings** and end-to-end control of delivery metrics.
- Reduced mobile bounce rate from **42% to 28%** by designing and developing a responsive onboarding flow in Next.js + TypeScript, serving over **5K** new users monthly.

PERSONAL PROJECTS

Prepwise AI — IELTS Speaking Mock Test Platform [GitHub](#) | [Live Demo](#)

- Built an AI-powered IELTS Speaking mock-test platform where **voice agents** simulate live examiners, providing realistic conversations, instant scoring, and context-aware personalized feedback within minutes.
- Applied **Factory and Service Layer design patterns** to modularize business logic and external API integrations, ensuring clean separation of concerns and easier scalability.
- Engineered a responsive Next.js + TypeScript frontend using Zustand and React Query, integrating seamlessly with REST APIs for real-time test interactions.

EDUCATION

MSc Software Engineering, Kingston University, London, United Kingdom Sep 2024 – Sep 2025

BSc Computer Science & Engineering, Leading University, Sylhet, Bangladesh Jan 2018 – Jun 2022

CERTIFICATIONS & ACHIEVEMENTS

AWS Certified Cloud Practitioner (Issued Aug 2025 – Valid until Aug 2028)

IEEEExtreme 14.0 Programming Contest – Country-wise Champion, 129th Global (out of 2155 teams)

Solved **800+ algorithmic problems** across [Codeforces](#) (Specialist, max 1400+), [CodeChef](#) (4-Star).