

Tazrif Raim

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SUMMARY

Tech-agnostic **Full Stack Software Engineer** with expertise in **Next.js**, **NestJS**, **PostgreSQL**. Experienced in building AI applications, scalable production-grade systems and collaborating with cross-functional teams across **NA** and **EMEA**. Quick to adapt to new technologies, delivering reliable solutions in fast-paced, evolving environments.

EXPERIENCE

Software Engineer

Oct 2024 – Present

Sazim

Dhaka, BD (Hybrid) | Canada-Based

30Chars (AI Ad-Tech, NA) | *Go, Python, HTMX, OpenAI*

- Engineered an n-gram search query mining algorithm to identify low-ROI negative keywords, reclaiming about **25-76%** of wasted ad budget by eliminating irrelevant traffic.
- Optimized LLM token usage by **80%** (25k to 5k tokens) via prompt engineering and flow optimization, reducing operational costs while scaling the product to **~1000** paid users.
- Developed a bulk ad generation pipeline with Google Ads integration and a spreadsheet-style UI for high-volume management.

LuneData (FinTech, UAE) | *Nuxt, Vue, TanStack Query*

- Built transaction enrichment analytics and targeted marketing dashboards; the POC played a key role in securing contracts with **Mastercard** and **AMEX**.

EnsuriLy (HealthTech & FinTech, KSA) | *NestJS, Next.js, PostgreSQL*

- Architected the database and frontend prototype for a national-scale compliance application, securing regulatory approvals from Middle Eastern legal bodies.
- Collaborated with a global team across 4-6 nationalities to ensure strict data compliance standards were met.

Lifespire & Manzil.ca (HealthTech & FinTech, NA) | *NestJS, MikroORM*

- Implemented a custom Google Calendar integration to replace a failing in-house scheduling module, utilizing solution spikes to determine the optimal scaling strategy.
- Replaced a high-latency Airtable system with a custom internal web app & tool suite, providing structured database access and significantly accelerating data retrieval speeds.

Software Engineer Intern

Jul 2024 – Sep 2024

Sazim

Dhaka, BD

- Built a web coaching platform using NestJS, Next.js, and PostgreSQL; implemented real-time update, WebSocket chat, notifications and S3 bucket under strict Agile methodologies.

EDUCATION

American International University - Bangladesh

Dhaka, Bangladesh

B.Sc. in CSE, Major in SWE

Summer 2021 - Summer 2024

- Academics:** 3.96 / 4.00 CGPA (*Summa Cum Laude - Highest Distinction*)
- Awards:** Vice Chancellor's Award (Best Undergraduate Thesis), 5× Dean's Award, Merit Scholarship

PROJECTS

AI PR Reviewer Ecosystem | *WXT, Gemini, Supabase, Vercel*

In Progress

- Engineered a hybrid cost-optimization architecture: a **Web App** for standard API-based generation and a companion **Chrome Extension** for a zero-cost advanced model.
- Developed a browser automation that leverages the user's active **gemini.google.com** session to generate reviews via DOM manipulation, bypassing expensive Enterprise API metering.
- Created a seamless "One-Click Review" workflow that injects the generated feedback directly into GitHub PRs without requiring repository admin access or app integration.

Aqua Ignis - 2D Platformer | *C++, OpenGL, GLUT*

Summer 2023

- Engineered 2D kinetics, implementing rigid body dynamics, collision resolution, and gravitational acceleration.

PUBLICATION

Hybrid adversarial Distilled Defense for Deep Learning Based Breast Cancer Detection

Journal: Engineering Research Express (In Review)

2025

(TensorFlow, PyTorch, Python)

ACTIVITIES & ACHIEVEMENTS

- **Leadership:** Founded and served as VP of ACPS Club of Mathematics (country's first school math club), scaling it to win the "**Best Club**" award and developing its official website.
- **Mentorship:** Served as Adviser (2017-2019) to guide executive committees on club operations.
- **Competitions:** Secured top rankings and awards in Math Olympiads, IQ assessments, Cryptographic challenges, and Formal Proof competitions.

SKILLS

Languages: Typescript, Python, Go, SQL

Frameworks and libraries: Nest.Js, Next.Js, Nuxt.Js, Echo, FastAPI, Redux, MikroORM, HTMX, Alpine js, SQLC

Other Tech: Copilot, PostgreSQL, Git, LLM APIs, Google APIs, REST API, GraphQL, Linux, BullMQ, RiverQueue

UI: ShadCN, Tailwind CSS

Dev Ops and management: Docker, Terraform, Github Actions, Jira, Linear