Shahadat Rahman Hemal

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Software Developer

Developer with 3+ years of experience in Web App development, PWA, API, self-hosting and more. Proven track record delivering on deadline, applying current tech to solve problems, maintaining industry standards and innovating where required.

PROFESSIONAL EXPERIENCE

Lead Software Developer | Bay Institute Renaissance LTD, Uttara, Bangladesh

1/2025 – 5/2026

- Led development of a School Management System and EduTech with 20+ features that automated and digitized **50**% of the parent interaction and teaching process, saving material costs and time.
- Chosen as Project Lead, I built an MVP and led a team of 4 developers to develop and ship in a year.
- Implemented self-hosting infrastructure and pipeline for software and database deployment, decreasing operational costs and saving 540$+ annually.
- Supervised design and development choices, giving priority to end users and designing with scope for future data analysis.
- Taught project codebase to an intern, and ensured the software felt and ran fast.
- Developed and designed Landing Page.
- Tech Used: Next.js, React, Typescript, Postgres, Prisma, NodeJS, Tailwind, Shadcn, Zod, GoogleAPI, RaspberryPi, Docker, Coolify.

Freelance Web Developer | HappyKodoli, part-time

happykodoli.com 04/2025 – present

- Digitized core business and increased sales by designing and creating a custom e-commerce shop.
- Implemented Google adsense.
- Served as Sysadmin, meeting miscellaneous technical needs and troubleshooting.
- Tech Used: WordPress, CSS, CPanel, Cloudflare.

Software Developer | MonifAcademy, Mirpur, Dhaka 10/2022 – 12/2024

- Reduced labor and material costs by creating an LLM powered tool that automated and digitized **70**% of the mock test process. It lets tutors upload a past paper file, it then generates a digital test identical to it, making grading the only manual labor left.
- Designed and built conversion focused landing page and website that digitized and streamlined student on-boarding.
- Served as System Admin, administered technical needs, handled incidents and troubleshooting.
- Tech Used: Svelte, Typescript, Vite, Postgres, Drizzle, Tailwind, GeminiAPI, Resend, WordPress, cloudflare.

TECHNICAL SKILLS

Languages: JavaScript, Python, PHP, Typescript

Frameworks/libraries: React, Next.js, Svelte, Tailwind, SASS, Bootstrap, FastAPI

Database: PostgreSQL, SQL, MongoDB, Relational Databases

Others/Tools: HTML, CSS, Git, Vite, NodeJS, ExpressJS, Docker, Prisma ORM, CPanel, Firebase, Postman, Figma, AWS, Version Control

Misc.: SSH, Linux, IPFS, Reverse Proxies, Raspberry Pi, WAF/Basic Security