

MORSHED ALAM

Software Engineer

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SUMMARY

Software Engineer with 4+ years of experience building full-stack web applications and database-backed systems using React, Next.js, Node.js, NestJS, Python, PostgreSQL, and MongoDB. Specialized in scalable web platforms, backend integration, and data-oriented systems; delivered 75+ projects for 45+ clients on Fiverr while maintaining a 5-star client rating.

SKILLS

Languages: Python, JavaScript/TypeScript, SQL
Frontend: React.js, Next.js, React Native, Zustand, Zod, Responsive UI
Backend: Node.js, Express.js, NestJS, FastAPI, REST APIs, GraphQL, WebSocket, OAuth2, RBAC, JWT
Databases & Data: PostgreSQL, MongoDB, Firebase, SQL Optimization, Data Modeling, ETL/ELT, Snowflake
Tools & Methods: Git/GitHub, Docker, Redis, Prisma, TypeORM, CI/CD, Debugging, Performance Optimization

EXPERIENCE

Embedded Software Engineer, Hubei Wanlu Zhixin Technology Co., Ltd. | Wuhan, China (Jun 2026)

- Built smart-home dashboard features for camera monitoring, device activity tracking, and AI-assisted user interaction workflows.
- Integrated edge-camera feed data with NestJS, PostgreSQL, Redis, Docker, and Python worker services for structured dashboard updates.
- Connected camera input, backend processing, AI worker responses, and frontend visualization into one smart-home monitoring workflow.

Software Engineer, Express Kitchens & Bath | Part-time / Remote (Jun 2025 – May 2026)

- Build and maintain full-stack websites and client-facing web applications using React, Next.js, Node.js, and API integrations.
- Develop features, backend workflows, responsive UI components, SEO updates, and performance fixes across company and client platforms.
- Support digital operations by delivering website updates, campaign assets, event changes, and mobile app features as needed.

Freelance Software Engineer, Fiverr | Remote (Jan 2022 - May 2025)

- Delivered 75+ full-stack website projects for 45+ clients, including new builds, feature development, bug fixes, and maintenance.
- Maintained a 5-star client rating by delivering clean, maintainable, and well-documented code across client projects.
- Built REST APIs, backend services, and database-backed features; improved responsiveness, browser compatibility, performance, and security.

PROJECTS

WiseOne Smart-Home Dashboard | github.com/morshedalamdev/smartHome-system

Tech: React, Next.js, TypeScript, NestJS, Python, FirstAPI, PostgreSQL, Redis, Docker, MJPEG

- **Context:** Smart-home system needed a dashboard workflow for live camera monitoring, assistant messages, equipment operations, and device states.
- **Action:** Built frontend/backend integration to process camera-feed responses and deliver structured dashboard updates.
- **Outcome:** Connected camera input, AI processing, backend state updates, and frontend visualization for real-time smart-home monitoring.

Personal Finance Management App | github.com/morshedalamdev/pfm-app

Tech: Next.js, React, TypeScript, Tailwind CSS, Zustand, Zod, NestJS, PostgreSQL, TypeORM, JWT, bcrypt

- **Context:** Users needed a finance tracker for income, expenses, savings goals, budgets, recurring transactions, and reports.
- **Action:** Built secure authentication, validation, database workflows, file uploads, email notifications, and responsive reporting UI.
- **Outcome:** Delivered 10+ core features across budgeting, reporting, recurring transactions, secure authentication, and responsive UI.

FlexBuzz | github.com/morshedalamdev/flexbuzz

Tech: React, TypeScript, Tailwind CSS, NestJS, PostgreSQL, TypeORM, JWT, bcrypt, Zustand, Zod, REST API

- **Context:** Built a text-based social platform for posting, discovery, and user interaction.
- **Action:** Developed secure authentication, REST APIs, posts, hashtags, feeds, search, and responsive UI.
- **Outcome:** Features including authentication, post management, hashtags, likes, comments, follow system, personalized feeds, search, and responsive UI.

EDUCATION

Bachelor of Engineering in Computer Science and Technology, Wuhan Institute of Technology | Mar 2023 - Jan 2027

GPA: 3.53 | Top 10% | First-Class Scholarship (2023-2026) | Coursework: Software Engineering, DSA, DMS, OOP, AI

Diploma in Engineering in Computer Technology, Chittagong Polytechnic Institute | Aug 2017 - Jun 2022

CGPA: 3.52 | Top 10% | Government Scholarship (2023-2026) | Coursework: Software Engineering Principles, DSA, DMS, OOP

CERTIFICATIONS

- **Software Engineer Certificate**, HackerRank | Issued May 18, 2026