Rizvi Mahmud

Frontend Engineer | Angular

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SUMMARY

Frontend engineer with 4 years of experience building large-scale Angular applications for fintech and healthtech, including agent banking platforms serving 900K+ customers. Led a frontend team, designed the Angular 20 architecture of an AI-enhanced healthcare platform, and migrated legacy applications from Angular 4 to 18.

SKILLS

Angular: Signals, Standalone APIs, RxJS, Signals-based state management, lazy loading, version migrations
Languages: TypeScript, JavaScript, HTML5, CSS3/SCSS
UI & Styling: NG-ZORRO, Angular Material, PrimeNG, Tailwind CSS
Auth & Real-time: OAuth2 / OpenID Connect, Keycloak, WebSockets
Testing: Jasmine/Karma, Jest
Tools: Git, GitLab CI, Docker
Also familiar: React, Next.js, Node.js (Hapi)

EXPERIENCE

Celloscope Limited Dhaka, Bangladesh
Fintech and healthtech software company serving banks, financial institutions, and regulators
Software Engineer Nov 2022 – Present

Healthcare platforms

- Designed the Angular 20 architecture for the company's first in-house product, an AI-enhanced doctor portal and patient app (standalone components, Signals-based stores, lazy-loaded routes), currently in pilot with practicing doctors who shaped its design.
- Built a shared design-token system over NG-ZORRO and Tailwind, plus English/Bangla localization, used across both applications.
- Built the core prescription workspace, where doctors dictate any section by voice and review AI suggestions (complaints, history, medicines) ranked by confidence before applying them; co-built the real-time transcript streaming over WebSockets.
- Built an OAuth2 + PKCE session layer on Keycloak with proactive token refresh, offline-aware retries with jittered backoff, and in-place session recovery so unsaved prescriptions aren't lost.
- Built a printed prescription pad designer with per-chamber A4 layouts, live preview and readability checks, and an OCR import that turns paper prescriptions into editable records.
- Migrated a legacy US medical records application from Angular 6 to Angular 18.

Fintech & government systems

- Led a 3-person frontend team on the Agent Banking platform, a suite of Angular applications serving 900K+ customers through 500+ agent outlets.
- Reduced build times by 75–80%, from 40 min to 8–10 min, and eliminated out-of-memory failures by migrating 4 Agent Banking applications from Angular 4–7 to Angular 14 and 18, removing jQuery and unmaintained dependencies.
- Built internet banking features for 400K+ customers, including utility bill and education fee payments, transaction flows, and multi-currency exchange rates.
- Built the frontend of a national ID verification system used by a government regulator's agents, plus modules for the regulator's office management system.

Software Engineer Intern Jul 2022 – Oct 2022

- Built a full-stack student management application using Angular, Node.js (Express) and MongoDB.

EDUCATION

Bachelor of Social Science in Communication and Media Studies 2016 – 2020
University of Development Alternative, Dhaka | CGPA 3.64/4.00