

RAIYAN RASHID PRODHAN
Senior Software Engineer

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PROFESSIONAL SUMMARY

Senior Full Stack Developer with 5+ years of experience designing and developing scalable web applications, SaaS platforms, and enterprise systems using Angular, Node.js, NestJS, Django, and PostgreSQL. Proven experience delivering production applications across eight countries in Asia-Pacific and Africa, with expertise in frontend architecture, backend API development, database optimization, and cloud-ready system design. Passionate about building maintainable, high-performance software while collaborating with distributed international teams.

TECHNICAL SKILLS

Frontend: Angular (5+ years), TypeScript, JavaScript (ES6+), HTML5, CSS3, SCSS, RxJS, Angular Material, Bootstrap, Astro

Backend: Node.js, NestJS, Django, Express.js, REST APIs, Redis

Database: PostgreSQL, SQL, Knex.js

Tools: Git, GitHub, Docker, Firebase Hosting, Hostinger, Postman

PROFESSIONAL EXPERIENCE

RIMES (Regional Integrated Multi-Hazard Early Warning System)

Senior Full Stack Developer | June 2023 – Present

- Led Angular dev for climate and Agritech systems across 8 countries.
- Upgraded apps from Angular 14 to 17, cutting build times by 30–60%.
- Optimized UI performance via lazy loading, caching, and state management.
- Integrated weather REST APIs and led code reviews with global teams.

Intelletive Technologies Bangladesh

Junior Software Engineer | June 2020 – May 2023

- Developed enterprise SaaS apps using Angular, TypeScript, NestJS, and Postgres.
- Built responsive dashboards and reusable UI components with REST APIs.
- Migrated backend from Restify to NestJS to improve scalability and code.
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SELECTED PROJECTS

Agricultural Decision Support Systems (Multi-Country) | <https://bamis.rimes.int>

Senior Full Stack Developer | Angular • Angular Material • Django • PostgreSQL

Technologies: Angular, Angular Material, Django, PostgreSQL

- Delivered across **8 countries** using reusable Angular/Django architecture.
- Cut advisory generation from **60s to <400ms** via Redis and async processing.
- Built multilingual dashboards for weather, pest, and crop advisories.

TekumoPRO (USA SaaS Platform) | <https://www.tekumo.com>

Full Stack Developer | Angular • Angular Material • NestJS • PostgreSQL

Technologies: Angular, Angular Material, NestJS, PostgreSQL

- Built SaaS modules streamlining orders, dispatch, and field operations.
- Optimized APIs and PostgreSQL queries for high-volume production workloads.
- Automated invoices, emails, and real-time dashboards for faster operations.

Flood Forecasting & Warning Centre (Bangladesh) | <https://ffwc.gov.bd>

Frontend Developer | Angular • Angular Material • Leaflet • Django • PostgreSQL

Technologies: Angular, Angular Material, Leaflet, Django, PostgreSQL

- Built flash-flood forecasting module supporting national disaster response.
- Developed Leaflet dashboards for interactive flood-risk visualization.
- Optimized large-map rendering for faster performance and usability.

Luminous Engineering (Singapore) | <https://luminousengineering.com.sg>

Frontend Developer | HTML5, SCSS, JavaScript, Hostinger, Google Analytics (GA4)

- Developed responsive, multi-page websites using HTML5, SCSS, and JS.
- Implemented GA4 tracking, SEO-friendly markup, and responsive layouts.
- Optimized performance and successfully deployed websites on Hostinger.

Synoit | <https://synoit.com>

Frontend Developer | Angular, TypeScript, HTML5, SCSS, Firebase Hosting

- Designed and developed the company website using Angular and TypeScript.
- Built responsive landing pages, service pages, and reusable UI components.
- Optimized application performance and deployed using Firebase Hosting.

EDUCATION

IBA, University of Dhaka - Advanced Certificate for Management Professionals (2025)

East West University - B.Sc. in Computer Science & Engineering, **CGPA: 3.50/4.00** (2020)

PUBLICATION

IEEE CONIT 2021 - *Analyzing and Evaluating Boosting-Based CNN Algorithms for Image Classification* (DOI: 10.1109/CONIT51480.2021.9498328)

REFERENCES

MD Shifullah

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Jobaer Ahmed

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