

Jahir Ahmed

SOFTWARE DEVELOPER

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Summary

Results-driven full-stack software engineer with 6+ years of experience building scalable systems in healthcare, disaster response, e-commerce, and public sectors. Expert in modern stacks (Angular, Python, Node.js) and GIS/spatial data for real-time insights. Collaborated with remote teams to deliver high-impact solutions, leveraging extensive remote work experience to reduce latencies and enhance user engagement. Passionate about AI integration to solve complex challenges in dynamic tech landscapes.

Core Skills

Frontend: Angular, PrimeNG, Ng-Zorro, Bootstrap, Leaflet, Highcharts
Backend: Django, Node.js, .NET Core, PHP, Express, RESTful APIs, Socket Programming
Databases/Tools: MongoDB, MySQL, Redis, AWS, Linux, Proxmox, n8n, Docker
Other: GIS/Spatial Data, Agile Project Management, Weather Data Processing

Work Experience

Regional Integrated Multi Hazard Early Warning System

Dhaka Regional Office

FULL STACK DEVELOPER

Oct. 2023 - Present

- Engineering decision support and early warning systems for South Asia, integrating GIS data to provide real-time disaster insights, reducing response times by 25%.
- Developing full-stack systems for processing spatial datasets, optimizing backend workflows with Python and Linux while building responsive frontend interfaces with Angular.
- Creating RESTful APIs and processing weather satellite data using Python, enabling seamless data access for real-time analytics.
- Automating weather data workflows on Linux-based systems, improving operational efficiency by 20% through streamlined processing and delivery.
- Refactoring legacy codebases to enhance system performance and maintainability, reducing technical debt and improving scalability.
- Conducting training for government agencies and stakeholders, boosting tech adoption by 40% through hands-on system usage sessions.

Atsiom LLC.

Dhaka, Bangladesh

FULL STACK DEVELOPER (REMOTE, PART TIME)

Jan. 2024 - Apr. 2025

- Built frontend and backend components for health platforms using Angular and Node.js, implementing socket programming for real-time alerts.
- Collaborated with remote teams to deliver modules on schedule, ensuring high code quality through Agile methodologies and reducing bugs by 20%.
- Integrated Stripe for secure payments in occupational health systems, ensuring seamless user experiences.

belivIT

Dhaka, Bangladesh

PROGRAMMER

Apr. 2021 - Sept. 2023

- Designed high-performance admin dashboards and APIs for ERP/e-commerce systems, refactoring legacy code to cut latency by 35%.
- Collaborated in Agile teams to deploy scalable features, aligning with business goals and improving system maintainability.
- Deployed applications to AWS, monitoring performance to ensure high availability and reduce downtime by 30%.

AITIS Idea Ltd.

Dhaka, Bangladesh

ASSISTANT SOFTWARE ENGINEER

Sept. 2020 - Mar. 2021

- Developed scalable .NET Core APIs and Angular frontends for ERP systems, implementing lazy-loading to reduce redundancy and boost performance.
- Led a 12-member Agile team as Project Coordinator, ensuring timely delivery and efficient module optimization using NgZone and interceptors.

Millennium Information Solution Ltd.

Dhaka, Bangladesh

ASSISTANT SOFTWARE ENGINEER

Feb. 2019 - Feb. 2020

- Collaborated with clients to identify and resolve issues in Ababil CBS platform, conducting manual testing to enhance reliability.
- Assisted in migrating legacy systems to modern Angular/PrimeNG frontends, integrating RESTful APIs for dynamic data flow.

Education

United International University

Dhaka, Bangladesh

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Sept. 2015 - Feb. 2019

- Strong foundation in software engineering principles and programming methodologies.

Key Projects

TNSMART (Tamil Nadu Multi-hazard Preparedness System)

RIMES

FULL STACK DEVELOPER

- **Description:** State-wide disaster management system integrating flood, cyclone, and tsunami data into GIS-based dashboards for proactive planning and faster disaster response.
- **Skills:** Angular, Django, Leaflet, PrimeNG, TypeScript, Python, Git, Linux
- **Key Contributions:** Led frontend architecture and redesign, built APIs and decision-support tools, added Drought, NDVI, NDWI, Landslide, and vegetation modules.

NLAS (National Livestock Advisory System)

RIMES

FULL STACK DEVELOPER

- **Description:** Digital advisory tool providing Bangladeshi farmers with real-time livestock and climate guidance, linking weather forecasts with animal health management.
- **Skills:** Angular, Django, Leaflet, Bootstrap, TypeScript, Python, Linux
- **Key Contributions:** Led full-stack implementation, integrated APIs for real-time data updates, improved platform performance and responsiveness.

BHUTAN ADSS (Agro-Meteorology Early Warning System)

RIMES

FRONTEND DEVELOPER

- **Description:** World Bank-funded agro-meteorology early warning system for the Government of Bhutan, providing crop planting advice, disease mitigation guidelines, and weather information for harvesting.
- **Skills:** Angular, Angular Material, TypeScript, JavaScript, HTML, SCSS, Firebase
- **Key Contributions:** Created frontend architecture, design and implementation, built reusable components using Angular Material, integrated APIs and dynamic data rendering.

INSTANT (Integrated Forecast Dissemination Portal)

RIMES

FULL STACK DEVELOPER

- **Description:** Multi-hazard forecasts and localized risk alerts platform across South Asia, translating complex climate models into actionable information.
- **Skills:** CodeIgniter, Mapbox, Bootstrap, Python, JavaScript, PHP, Linux
- **Key Contributions:** Developing AI-based landslide DSS with NASA/BMD collaboration, integrated BMD WRF weather data, improved application performance.

Synchromedics

Atsiom

FULL STACK DEVELOPER

- **Description:** Cloud-based CRM and EHR platform for occupational health practice management, connecting clinics and employers with HIPAA compliance.
- **Skills:** Angular, Django, Ng-Zorro, MySQL, TypeScript, Python, Redis, AWS
- **Key Contributions:** Designed scalable frontend architecture with reusable components, built RESTful APIs with DRF, implemented performance optimizations.

NAOHP

Atsiom

FULL STACK DEVELOPER

- **Description:** Comprehensive occupational health management platform integrating EHR, CRM, and telehealth features in a single cloud-based solution.
- **Skills:** Angular, Django, MySQL, TypeScript, Python, Leaflet.js, Stripe
- **Key Contributions:** Implemented full-stack MVP architecture, built location-based features with interactive maps, integrated Stripe payment processing.

Boibazar.com

belivT

PROGRAMMER

- **Description:** Bangladesh's largest online bookstore platform offering academic, professional, and leisure books with nationwide delivery.
- **Skills:** Angular, Express, MongoDB, Bootstrap, TypeScript, Node.js, Redis, AWS
- **Key Contributions:** Built admin panel and APIs, implemented caching and search optimization, optimized database queries and cloud deployment.

AITs Silence

AITs Idea

ASSISTANT SOFTWARE DEVELOPER

- **Description:** Modern ERP solution integrating inventory, sales, purchase, accounting, and HR modules for enterprise workflow automation.
- **Skills:** Angular, .NET Core, MySQL, PrimeNG, TypeScript, C#, AWS
- **Key Contributions:** Built inventory and employee modules, developed system APIs using .NET Core, supervised team implementation.

Ababil

MISL

ASSISTANT SOFTWARE ENGINEER

- **Description:** Shariah-compliant core banking platform with modular microservices architecture for digital banking and microfinance operations.
- **Skills:** Angular, PrimeNG, TypeScript, JavaScript, Git
- **Key Contributions:** Monitored CBS system bugs, created test reports, collaborated on Ababil-NG frontend redesign.