

Muskan Kumari

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Summary

A passionate Software Engineer with over 2 years of experience building performant and scalable web applications using **Angular, Ionic, TypeScript, and RESTful APIs**. At MapmyIndia, I have contributed to developing interactive frontend features, integrating complex APIs, and improving UI/UX. I am a collaborative problem-solver with a strong background in front-end development and a passion for writing clean, maintainable code.

Professional Experience

Software Associate Level 2

GTROPY, New Delhi, Delhi, India

February 2025 – Present

- Engineered the **InTouch** platform's frontend using **Angular**, enabling real-time GPS tracking and geospatial data visualization for over 50 enterprise clients, improving decision-making efficacy.
- Serving as the main developer for **Intouch's Ionic** mobile application using **Capacitor**, responsible for foundational elements like **Mappls map and API integrations**, and defining the system's core architecture.
- Enhanced real-time fleet tracking interface, improving user engagement by 25% as measured by monthly active users, and earning recognition as the team's go-to expert.
- Built high-performance Angular applications with integrated **ECharts** for data visualization and live video streaming, enhancing operational decision-making.
- Boosted development efficiency by 25% by creating a modular UI library with **Angular CDK and NgRx**, and optimized team workflows using GitLab and Jira to achieve a 20% faster release cycle.
- Optimized frontend performance using techniques like **OnPush** change detection, **lazy loading**, and **trackBy**, leading to a **20-30% faster initial page load**.
- Executed major Angular version upgrades (v14-v19) across production environments, ensuring seamless transitions and system stability.

Software Trainee

MapmyIndia, Ranchi, Jharkhand, India

June 2023 – January 2025

- Played a pivotal role in the frontend development of the InTouch logistics intelligence platform, building scalable UI/UX features for real-time fleet tracking and advanced analytics.
- Developed high-performance **Angular** applications and integrated **REST APIs** for dynamic data display and functionality.
- Gained foundational expertise in Geospatial Information Systems (GIS), applying concepts to practical applications within the **MapmyIndia (MGIS)** domain.
- Acquired practical exposure to geospatial technologies including **Maplibre Native** and **CesiumJS**, exploring clustering, 3D data (**b3dm**), and heatmap visualizations.
- Actively participated in backend API integration and data manipulation, including implementing sorting, aggregation, and group by clauses for efficient data retrieval.
- Contributed to bug identification and fixing, collaborating with senior engineers to enhance software stability and learn debugging best practices.
- Utilized **GitLab** and **Jira** for effective version control and streamlined project management in an Agile Scrum environment.

Education

St. Xavier's College, Ranchi, Bachelors of Computer Application

- CGPA: 8.41/10.0

Tender Heart School, Ranchi, Intermediate Science (PCM + Computer Science)

- Percentage: 93.4%

Technical Skills and Tools

- Languages:** TypeScript, JavaScript, HTML, CSS, C/C++, Java
- Frameworks:** Angular, Ionic, Capacitor
- Tools & Platforms:** Git, GitLab, Jira, CI/CD, VS Code, Postman
- Geospatial Technologies:** Maplibre Native, CesiumJS, Mappls APIs
- Libraries:** NgRx, RxJs, ECharts, Moment, Datepicker