

Amit Mondal

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EXPERIENCE

Sensehawk(Acquired by Reliance)

March 2023 – Present

Software Engineer

Remote

- Building core modules for digitizing renewables, infrastructure, and construction sectors.
- **Enhanced Forms and DMS modules:** Achieved 60% reduction in loading/processing times and 25% fewer user errors. Refactored Forms module through dynamic imports, modular design, and dependency pruning, cutting bundle size by 82.9%(from 334.78KB to 57.3KB) and improving performance and maintainability.
- **Product Owner & Delivery:** The “Plans” module was delivered end-to-end, enabling real-time visualization, management, annotation, tracking, and collaboration on asset-centric platforms that accurately mirror physical project realities.
- **AI & Automation:** Built comprehensive AI-powered solution with two distinct tools:
 - * **Tool 1 (RAG Chatbot):** Developed interactive chatbot using **RAG architecture** with DuckDB, Python, FastAPI, NumPy, Pandas, and AWS S3 for module-specific data analysis, summarization, and custom report generation based on conversational user queries.
 - * **Tool 2 (Form Generator):** Created automated form generator using **system prompt engineering** that converts text, image, or PDF inputs directly into functional UI forms through one-way processing.
- Actively conducting code reviews and driving timely product deliveries.

Paytm

October 2020 – March 2023

Software Engineer

Mumbai

- Contributed to Paytm Insurance and Paytm Money platforms.
- Developed and maintained core component and form builder libraries; led UI and tech stack revamps for motor, health, and life insurance flows. Increased customer retention by 13% following product revamp.
- Built MVP for Paytm Money that enabled users to create custom SIP baskets for stocks and mutual funds.
- Migrated order summary dependency from native app to web, reducing app size by 24%.

MITR Learning and Media

June 2018 – October 2020

Software Engineer

Mumbai

- Key collaborator bridging design, development, and product teams. Designed and developed integration solutions using diverse languages and frameworks.
- Delivered custom filterable E-Learning content with advanced UI. Created toolkits in Node.js for interactive learning materials.

EDUCATION

St. Francis Institute of Technology

2014 – 2018

Bachelor of Engineering - Information Technology

Mumbai

SKILLS

Front-End: JavaScript, TypeScript, React.js, Vue.js, Redux, Vuex

Back-End: Node.js, Python, MongoDB, GraphQL

DevOps/Cloud: Docker, AWS S3, AWS CloudFront

Other Tools: HTML, CSS, SCSS, Webpack, Vite, Storybook, Git, Firebase, React Native

Soft Skills: Decision Making, Logical & Critical Thinking, Interpersonal Skill