

# AMIT MONDAL

Full-Stack Software Engineer | GenAI & Client-Facing Delivery

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## SUMMARY

Full-stack Software Engineer with **8+ years** shipping and scaling products across fintech, SaaS, and energy-tech at **Paytm** and **SenseHawk (acquired by Reliance)**. Pairs hands-on ownership of architecture and delivery with direct client and cross-functional stakeholder engagement, turning business requirements into measurable outcomes: **82.9% smaller bundles**, **90%+ lower memory usage**, and **13% higher customer retention**. Comfortable leading end-to-end, from requirements and architecture to production and reporting, across Javascript/Typescript, React.js, Vue.js, Node.js, Python/FastAPI, and GenAI/RAG pipelines.

## SKILLS

**Front-End:** HTML, CSS, JavaScript, TypeScript, React.js, Vue.js, Redux, Zustand, Vuex, Pinia

**Back-End:** Node.js, Python, FastAPI, Firebase, MongoDB, PostgreSQL, REST, GraphQL

**AI/GenAI:** LLM Eval & Observability, RAG architecture, LLM prompt & context engineering, DuckDB, NumPy, Pandas

**DevOps/Cloud:** Docker, AWS S3, AWS CloudFront, AWS Lambda, GitHub Actions, Jenkins

**Tools:** SCSS, Webpack, Vite, Storybook, Git, React Native

**Client & Delivery:** Stakeholder Management, Requirement Translation, Cross-Functional Collaboration, Technical Ownership, Decision-Making

## EXPERIENCE

**Senior Software Engineer — SenseHawk (Acquired by Reliance)** *Mar 2023 – Present*

- Own the **Plans, Forms, and DMS modules** end-to-end, from architecture to delivery, giving enterprise clients real-time visualization, annotation, and collaboration tools for renewable-energy and infrastructure projects.
- Refactored the Forms module (dynamic imports, modular architecture, dependency pruning), cutting bundle size by **82.9% (334.78KB → 57.3KB)**, load time by **60%**, and user errors by **25%**.
- Diagnosed 6+ GB browser memory leaks via Chrome DevTools and shipped lifecycle cleanup, virtualization, and pagination fixes, cutting usage to **300–600MB** and eliminating tab crashes.
- Re-architected the document-import pipeline with 200-record chunked processing, resolving crashes at 4,000+ rows and enabling reliable imports of **8,000+ rows**.
- GenAI tools: a **RAG-based conversational engine** (Python, FastAPI, DuckDB, AWS S3) for conversational data analysis and reporting, and a prompt-engineered **form generator** that converts text, image, or PDF inputs into live UI forms.

**Software Engineer — Paytm** *Oct 2020 – Mar 2023*

- Led the UI and tech-stack revamp of motor, health, and life insurance flows, lifting customer retention by **13%**.
- Owned Paytm Money's **SIP-basket MVP** end-to-end, letting users build custom stock and mutual-fund baskets.
- Served as SME for the Post-Payment flow for **Paytm Money** and **Paytm Insurance**, driving architecture, code review, and on-time delivery across the team.
- Migrated the order-summary dependency from the native app to the web, cutting app size by **24%** and easing cross-platform maintenance.

**Software Engineer (progressed from Graduate Engineer Trainee) — MITR Learning & Media** *Jun 2018 – Oct 2020*

- Acted as the point of contact between designers, developers, and product managers, translating client requirements into interactive e-learning experiences.
- As a contract engineer on the **Curriculum Associates** account (offshore team), designed cross-application integrations and delivered a fully filterable content system via custom queries and UI.
- Built **WCAG 2**-compliant, accessibility-focused e-learning modules and internal process-automation tooling using Node.js and JavaScript.

## EDUCATION

**Bachelor of Engineering – Information Technology** | St. Francis Institute of Technology, Mumbai | 2014 – 2018