

# SHASHWAT KASHYAP

Full-Stack Software Engineer | SaaS, APIs & CRM Automation

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## SUMMARY

Full-stack engineer (MCA, BIT Mesra, 2026) building role-based business applications, multi-tenant backends and workflow automation with Python/FastAPI, TypeScript/Next.js, Node.js and PostgreSQL. Supporting strengths in enterprise AI integrations (MCP tool interfaces, authenticated API layers) and Salesforce CRM automation. Delivers client websites and workflow systems end to end.

## PROFESSIONAL EXPERIENCE

**MinQro Technologies, Gurugram** — AI Engineering Consultant Aug 2026 – Present

*Independent consulting engagement; client and system details are confidential.*

- Build MCP tool interfaces that give LLM-based components authenticated, scoped access to enterprise systems through validated tools.
- Implement authentication, authorization, CORS and rate limiting on the integration layer between AI components and enterprise APIs.
- Develop full-stack services in Python/FastAPI, TypeScript/Next.js and PostgreSQL; take part in architecture reviews and deployment validation.

**AA2IT India Pvt. Ltd., New Delhi** Dec 2025 – Present

Salesforce Consultant, part-time (Aug 2026 – Present) · Salesforce Developer, full-time (Jun – Jul 2026) · Developer Intern (Dec 2025 – May 2026)

- Modelled an FMCG distribution and field-sales system in Salesforce with 20+ custom objects covering orders, dispatch, delivery, returns, attendance, journey plans and visits.
- Automated workflows with Flow, including inventory state transitions (Available / Reserved / Allocated / Damaged) with audit records.
- Implemented the permission model (five roles, three permission sets, field-level security) and role-specific Lightning apps with reports and dashboards.
- Authored the integration design (design stage only) for syncing contract, subscription, usage and renewal data between Salesforce Revenue Cloud Advanced and Maxio billing: object mapping, approach, effort and dependencies.
- Support planning for a two-person team on ongoing Salesforce engagements.

## SELECTED ENGINEERING PROJECTS

**B2B Travel Portal** — wholesale quotations for partner agencies · React, Node.js/Express, PostgreSQL/Prisma, JWT 2026

- Designed and built a role-based portal (administrator, data-feeder, partner-agency) with JWT authentication and role checks enforced in the backend APIs.
- Implemented wholesale package and visa quotation workflows with agency-specific markup and white-label PDF quotations; snapshotted prices and itineraries at quote time and used soft deletion to preserve history.
- Found and corrected an amount-due calculation that mixed wholesale and marked-up pricing; checked generated PDFs for unintended wholesaler branding.

**Travel CRM SaaS — In development** · multi-tenant CRM foundation for travel agencies · Next.js, TypeScript, PostgreSQL, Drizzle · private repository 2026

- **Built:** email/password authentication with email verification and password reset; organisations with memberships, role-based access control and invitations; append-only audit log; idempotent writes; rate limiting; a money library; PostgreSQL row-level security with a check that the runtime role cannot bypass it.
- **Engineering process:** database migrations, unit, database-integration and Playwright end-to-end test suites, and a CI workflow running lint, type checks and these tests.
- **Planned, not yet built:** quotation, booking and finance modules.

## ADDITIONAL PROJECTS & DELIVERY

**File Vault** — independent prototype · Python, FastAPI, PostgreSQL, MinIO · [GitHub](#) 2026

- Designed database-per-organisation multi-tenancy: a control-plane registry provisions a PostgreSQL database and MinIO bucket per organisation; routes resolve the URL slug to its tenant. Limitations are documented in the public README.

**ICIEM 2026 Conference Website** — [iciem.vercel.app](#) 2025 – 2026

- Built and deployed the public website for an international conference hosted by BIT Mesra's Noida campus: programme, tracks, speakers, committee, and timeline, with registration handled through a linked Google Form.

**Client websites and workflows** 2025 – Present

- **CareerSpoc** ([careerspoc.com](#)): implemented a Next.js contact route posting to a Google Apps Script endpoint that validates input (honeypot, server-side checks), logs enquiries to a Google Sheet and sends an admin notification email.
- **EaseMyVacations** ([easemyvacationsglobal.com](#)): built the public B2C travel website.
- **TEDx BIT Noida**: built the event's official website and its Google Sheets / Apps Script registration workflow.

## TECHNICAL SKILLS

**Languages:** Python, TypeScript, JavaScript, SQL, Apex (working knowledge)

**Backend & APIs:** FastAPI, Node.js/Express, Next.js, React, REST, JWT authentication, MCP tool interfaces, SQLAlchemy/Alembic, Prisma, Drizzle ORM

**Data & Infrastructure:** PostgreSQL, MongoDB, MinIO/S3-compatible storage, Docker, Git, Vercel, Render, Cloudflare Pages

**Security & Reliability:** role-based access control, multi-tenant data separation, audit trails, rate limiting, CORS

**CRM & Automation:** Salesforce (Flow, Lightning apps, permission sets, Agentforce), Google Apps Script, Frappe/ERPNext

**AI-Assisted Development:** Claude Code and Codex, with human review and validation

## EARLIER ENGINEERING EXPERIENCE

**Pinaqtech** (Remote, 2025): built and deployed the company website on the MERN stack. **Oohr Innovations** (Remote, 2025): developed an ERP for educational institutions (scheduling, reporting) and led QA. **Furnish Me Architects** (Remote, 2025): built a secure intranet with role-based access. **DST-funded health app, BIT Mesra** (2023 – 24): delivered core features as Senior Developer Intern.

## EDUCATION, CERTIFICATION & HONOURS

**MCA**, Birla Institute of Technology, Mesra — CGPA 8.13 2024 – 2026 · **BCA**, same institute — CGPA 7.76 2021 – 2024

**Salesforce Certified Agentforce Specialist** — issued Dec 2025 (Credential ID 7203889)

**Best Paper Prize, ICIEM 2026** — hybrid ML framework for carbon estimation and ESG benchmarking