AMITEJ PRATAP SINGH

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SUMMARY

Accomplished Software Engineer with 4 years of experience in designing and implementing scalable software solutions. Has a strong focus on improving system performance and reliability. Skilled in microservices architecture and implementing deployment strategies that enhance operational efficiency. A collaborative team player committed to delivering high-quality results.

WORK EXPERIENCE

Nagarro   Sep 2025 - Present

Senior Engineer (Amgen)   Gurgaon, India

- Building micro-frontend based dashboards using React for enterprise analytics platform used by cross-functional teams at Amgen.
- Developed reusable, configurable chart components using **Recharts** for consistent visualizations across the dashboard.
- Streamlined KPI visualization by integrating supply chain and manufacturing data, reducing manual reporting effort.

Edgeverve Systems   Oct 2021 - Aug 2025

Product Developer   Remote, India

- Built a TestOps analytics dashboard used across QA & Product teams. **Outcome**: Reduced release failure investigation time by 90% across **50+ enterprise** releases annually.
- Transformed migration of **monolithic FlaskAPIs** to a **FastAPI microservice** architecture.
- Automated ETL and reporting workflows using Python + PostgreSQL. **Outcome**: Eliminated manual reporting effort entirely and ensured daily data availability.
- Implemented RabbitMQ-based asynchronous pipeline with DLQ for reliable failure recovery. **Outcome**: Increased throughput and responsiveness for heavy data workloads.
- Built a Kanban-based internal tracking platform for critical product oversight, enabling engineering leadership to monitor **100+ active** tasks.
- Implemented **virtualized infinite scrolling** and client-side filtering/sorting for large datasets, ensuring smooth UI performance and eliminating lag for high-volume data views.
- Implemented DB/API-level locking to prevent concurrent record updates. **Outcome**: Data consistency in high-concurrency scenarios.
- Built a chunk-based large file upload system with server-side assembly and checksum validation, supporting uploads **>5GB** without memory or timeout issues.
- Built a reusable **Chat UI SDK** with configurable UI and event-driven APIs, enabling seamless chatbot integration in any web application.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, TypeScript, SQL
- **Frameworks:** ReactJS, Redux, RTK Query, Zustand, NodeJS, FastAPI, Flask, TailwindCSS, MUI, TanstackQuery
- **Developer tools:** Git, PostgreSQL, Docker, AWS, RabbitMQ, ChartJs

EDUCATION

Bachelor of Technology, Computer Science & Engineering

- Lakshmi Narain College of Technology, Bhopal (CGPA: 8.2/10)   **Aug 2017 - Jul 2021**