Ashirvad Kumar Pandey

Software Engineer – Full Stack | Data Engineering | AI Systems (FinTech)

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EXPERIENCE

- **Wissen Technology | Morgan Stanley** *India*
  Software Developer | Full-Stack Data Engineering Consultant–Risk & PnL Automation Jun 2025 – Present

  – Engineered an end-to-end **financial audit automation platform** improving reporting turnaround by 40%, integrating Angular UI and Spring Boot microservices with Snowflake for scalable data insights

  – **Applied AI-driven anomaly detection** to automate P&L insights, reducing manual analysis time by 60% and enhancing transparency for risk managers.

  – **Led a 3-member initiative** to deploy Airflow Celery-based automation for milestone tracking — improving reliability, fail-over recovery, and execution visibility across pipelines.

- **Wissen Technology | Morgan Stanley** *India*
  SDE Intern | Technical Consultant Feb 2024 – May 2025

  – Automated 200+ hours/week of manual EUC effort for ICAAP by developing end-to-end ETL workflows and predictive data pipelines using Apache Spark, Spring Boot, AutoSys, and Teradata, enabling scenario-based financial forecasting.

  – Designed and deployed RESTful APIs using Spring Boot and integrated them with frontend apps and Snowflake/Teradata, enhancing system security, performance, and maintainability.

  – Migrated legacy GWT and Angular monoliths to a React-based micro-frontend architecture, improving scalability and enabling independent deployments; also developed custom Angular components and a shared UI library to streamline development and access to Power BI dashboards.

  – Improved system performance by optimizing Spark queries (80% faster), introducing Hazelcast distributed caching (70% boost), and implementing robust validation and testing frameworks to ensure data quality and fault tolerance.

EDUCATION

- **Lovely Professional University** *Punjab, India*
  B.Tech in Computer Science Aug 2021 - May 2025

PROJECTS

- **AI Personality Wrapper** *India*
  SpringBoot, Python, GenAI API 2025

  – Built a configurable AI assistant framework with **multi-persona adaptability and rapid feedback learning**, simulating **Design-for-Delight** principles in GenAI apps.

  – Live Demo

- **Pilot Assistant** *India*
  Java, SWT, Swing, NetBeans 2024

  – Developed a safety-focused pilot assistance app integrating **real-time wind analytics and secure communication**, improving situational awareness and emergency coordination.

SKILLS

- Languages: Java, Python, C++, JavaScript, TypeScript, SQL, Scala

- Frameworks & Technologies: Spring Boot, React, Angular, Apache Spark, Airflow, Snowflake, Redis, AutoSys, Teradata, N8N AI Automation Workflow

- Core Areas: Full-Stack Development, Data Engineering, ETL Pipelines, AI/ML Integration, Cloud Automation