Nutan Nimkar

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Technical Skills

Languages: Python (Advanced), SQL, Go, Java
Backend & Distributed Systems: REST APIs, Distributed Systems, Workflow Orchestration, Asynchronous Processing, Fault-Tolerant Systems, CI/CD, Monitoring & Observability
Cloud & Infrastructure: AWS, Azure, Docker, Kubernetes, Terraform
Tools & Frameworks: Dagster, Apache Spark, PySpark, Databricks, Streamlit, Airbyte, GitHub Actions, PostgreSQL, Salesforce API
Data Engineering: ETL Architecture, Medallion Architecture, Lakehouse Patterns, Data Validation, NLP Preprocessing, Workflow Orchestration

Professional Experience

Software Engineer – Backend & Platform Systems Jan 2025 – Present
Healwell AI *Toronto, ON*

- Built a cross-platform SLA observability app in Streamlit, unifying PostgreSQL, Salesforce, and Dagster data to surface event readiness across 3 teams, tracking 100+ rolling events and eliminating 2–3 hours of weekly manual reporting.
- Designed and built 4 production Dagster pipelines end-to-end processing millions of records daily across 50+ assets, taking raw clinical data from ingestion through classification, cleaning, and reshaping into NLP-ready structured datasets.
- Architected fault-tolerant data validation layers across all pipelines to enforce data integrity contracts, blocking bad data from reaching downstream NLP algorithms and ML systems across numerous of daily runs.
- Built a queue-based NER processing pipeline on Databricks, using a static trigger table to fan out notebook workflows that convert unstructured clinical text into structured, ML-consumable outputs.
- Improved production pipeline reliability by 80% by orchestrating workflows with Dagster and adding asset-level observability, giving Tech, Analytics, and Project Management teams real-time visibility into pipeline health.
- Owned the full infrastructure stack end-to-end: cloud provisioning (Terraform), container packaging (Docker), cluster orchestration (Kubernetes), and CI/CD automation (GitHub Actions) deploying to Databricks.

Software Development Intern May 2023 – Aug 2023
Jana Corporation *Remote*

- Designed and optimized scalable backend processing logic for high-variability user workflows, ensuring system responsiveness during peak loads.
- Resolved 20+ bugs across navigation, exception handling, and UI responsiveness using .NET and React, cutting the active bug backlog by 20%.
- Shipped a risk analysis full-stack application on an agile team, accelerating the production milestone by 60 days.

Software Engineering Intern Sep 2022 – Dec 2022
Cision *Remote*

- Developed and integrated frontend visualization components to improve system usability and error visibility for a user base of 75,000+.
- Implemented automated test coverage and CI-integrated validation workflows, directly improving system release confidence and reliability.
- Built a reusable notification modal in React, TypeScript, and Java for non-existent and archived entity states, reducing user confusion on invalid routes.

Projects

AI Agent Workflow for CRM Automation | *Python, Salesforce API, Anthropic Claude API* Apr 2026

- Designed and built an LLM-driven workflow automation system, embedding AI-based logic to streamline CRM data updates.
- Automated manual operational workflows and built systems to track edge cases and generate performance reports, improving data consistency and visibility across Salesforce and PostgreSQL.

Education

University of Ottawa Ottawa, ON
Bachelor of Applied Science – Computer Software Engineering *Sep 2019 – Jun 2024*