

Nileet Savale

Software Engineer

[linkedin.com/in/nileet](https://www.linkedin.com/in/nileet) | nileetsavale.com | github.com/NileetSavale | candidates.intervues.club/u/nileet-savale

SUMMARY

Software Engineer with experience leading technical architecture, cloud infrastructure, and data pipeline development across startups, research institutions, and enterprise settings. Proven track record in building high-throughput RESTful APIs, automating machine learning workflows, optimizing continuous integration pipelines, and reducing system latencies.

EXPERIENCE

Founder & CTO

Stamp'd

Jan 2026 – Present

- Built a full-stack travel intelligence platform integrating 7 APIs for real-time visa validation across 190+ countries at sub-200ms latency.
- Architected security-first infrastructure featuring AES-256-GCM passport encryption, nonce-based CSP, and RLS isolation across 27 schema migrations on Vercel and Supabase, cutting monthly costs by 69%.
- Containerized services with multi-stage Docker builds and shipped 10+ production releases with 4 automated cron workflows.

Research Assistant - Data Analytics & Machine Learning

Indiana University School of Public Health

Jan 2026 – Jun 2026

- Reduced data preprocessing time by 60% by engineering SQL-based ingestion pipelines for NHANES datasets spanning 180K+ records across 9 survey cycles.
- Modeled regression and classification approaches using statistical learning techniques to analyze relationships between nutritional biomarkers and cardiovascular outcomes.
- Integrated CDC and NIH datasets through automated validation scripts, improving data quality and reproducibility for research.

Forward Deployed Engineer

Global Health Impact (GHI), Tobias Center, Indiana University

Aug 2025 – Aug 2026

- Slashed deployment time by 75% by designing and maintaining CI/CD pipelines with Jenkins, Docker, and Nginx to standardize deployments across production environments.
- Administered cloud-hosted services supporting 99.9% uptime, implementing monitoring, incident response workflows, and deployment safeguards.
- Engineered RESTful APIs and data ingestion systems, migrating legacy Flask applications to Next.js and reducing entity-matching errors by 30%.

Software Engineering Intern

Wipro PARI Ltd

Nov 2023 – Apr 2024

- Improved industrial automation validation efficiency by 15% through FAT3 testing and structured validation procedures across 3 large-scale deployments.
- Increased system validation accuracy by 20% by developing standardized testing workflows, defect tracking procedures, and deployment readiness checks.
- Owned client communication and coordinated across 5 cross-functional teams to resolve integration issues and secure production readiness sign-off.

Software Engineering Intern

SearchIn

Mar 2023 – Jun 2023

- Developed 3 production applications using React, Node.js, and SQL.
- Improved system performance by 30% through targeted API and database query optimization.
- Reduced production defects by 40% through structured testing and release validation.

Software Engineering Intern

SearchIn

Jan 2023 – Jun 2023

- Developed 3 production applications using React, Node.js, and SQL.
- Improved system performance by 30% through targeted API and database query optimization.
- Reduced production defects by 40% through structured testing and release validation.

Software Engineering Intern

Atul Ltd

Jan 2022 – Apr 2022

- Delivered an enterprise platform serving 75+ facilities and 5,000+ employees to streamline administrative operations.
- Implemented backend services and real-time data synchronization processes, reducing information retrieval latency by 40%.
- Collaborated with cross-functional stakeholders to deliver scalable software solutions supporting large-scale industrial systems.

Co-Founder & CTO

Stamp'd — Travel Readiness Platform

- Architected a scalable travel-readiness platform on AWS with FastAPI, Terraform IaC, and GitHub Actions CI/CD, achieving sub-200ms API latency.

Research Assistant — Data Analytics & ML

IU School of Public Health

- Developed regression and classification models linking nutritional biomarkers to cardiovascular outcomes at population scale.

Forward Deployment Engineer

Global Health Impact (GHI) · Tobias Center, IU

- Engineered RESTful APIs and ingestion pipelines for healthcare analytics to optimize entity matching and system maintainability.

EDUCATION

Indiana University · M.S. · 2024 – 2026

Savitribai Phule Pune University · B.E. · 2020 – 2024

SKILLS

Languages and Frameworks: C, C++, CSS, HTML, Java, JavaScript, TypeScript, Python, Solidity, SQL, Express.js, FastAPI, Hono, Next.js, Node.js, NumPy, Pandas, Scikit-learn, OpenCV, NLTK, PyTorch, React, React Native, TensorFlow

Databases: DynamoDB, Firebase, MongoDB, PostgreSQL, Redis, SQL

Tools: AWS, Distributed Systems, Docker, Linux, Git, GitHub, GitHub Actions, Grafana, Jenkins, Kubernetes, Microservices, Nginx, OpenAI APIs, Prometheus, REST APIs, Terraform, vLLM

PROJECTS

Enterprise Live Data Sync Framework - Real-Time Log Processing Pipeline

Real-time firewall log processing pipeline with a custom C++ in-memory queue, async Python ingestion and delivery services, and a live Grafana observability dashboard. Engineered a 25-command Redis-compatible server from scratch in C++ implementing the RESP wire protocol over raw TCP. Fixed a payload-truncation bug and processed 13,672 logs accurately.

C++, Python/FastAPI, Docker, Prometheus, Grafana

Loop Runner - SaaS Autonomous AI Coding Agent Platform

Full-stack agentic coding platform running an autonomous write-test-retry loop with live token streaming over WebSocket. Shipped a platform built on Python/FastAPI and Next.js 14/TypeScript using Kubernetes and Redis.

Python/FastAPI, Next.js 14, Kubernetes, Redis

Additional projects: Loop Runner, Stamp'd, Suits, LangViz, IoT Smart Dustbin

AWARDS

Selected 1 of 148 startups for the Amplify Accelerator (2026 cohort), Transforming Household Waste Management: IoT-Enabled Smart Dustbin, AWS Certified AI Practitioner (AIF-C01), Published IEEE paper, Vernon Clapp Finalists