

Yash Patodkar

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SUMMARY

Software engineer with 3+ years of experience building scalable backend systems and AI-powered workflows. Reduced cloud costs by \$100K/month, optimized search latency by 30%, and contributed to open-source.

EDUCATION

Master of Science in Computer Science

Santa Clara University | GPA - 3.7/4.0

Sep 2024 - Jun 2026

Santa Clara, CA, USA

Post-Graduation Diploma in Advanced Computing

CDAC ACTS | 83%

Sep 2021 - May 2022

Pune, India

Bachelor of Technology

Vishwakarma Institute of Technology

Aug 2017 - May 2021

Pune, India

WORK EXPERIENCE

Tenex.ai

Software Engineer

Apr 2026 - Present

Santa Clara, CA, USA

- Designed a Go-based vendor integration framework with database schema design, service layers, and reusable abstractions, reducing integration development effort by 50%.
- Redesigned integration architecture by decoupling integrations from the core product, reducing code size by 10% and saving \$100K/month in Claude costs.
- Delivered 13+ end-to-end integrations, including AWS, Okta, and Cisco AMP, covering authentication, ingestion, and storage.
- Implemented data-enrichment pipeline, reducing Chronicle SOAR dependency to give agents 20% more triage-detection context.

Fortinet

Software Engineer

May 2022 - Jun 2024

Pune, India

- Built FortiSOAR AI Advisor to automatically generate playbooks based on user prompts, reducing developer onboarding time by 15% and achieving 85% precision across 500 test cases.
- Implemented reversible IOC masking for secure LLM processing, preserving values across prompts and generated responses.
- Led 3 interns to build Global Visibility Dashboard in Angular and Java, aggregating multi-tenant SOC data via consolidated APIs and configurable widgets for faster investigations.
- Optimized large-scale system performance by tuning Elasticsearch and SQL query logic for universal search, reducing record retrieval latency by 30% across millions of records.
- Owned and enhanced Java microservices including the API-Gateway and Notifier services, built with Java Spring Boot, delivering backend functionality for secure request routing, notification workflows, and service-to-service communication.

PROJECTS & OPEN SOURCE

Open Source - Zed Text Editor | Rust

- Contributed 10+ PRs to Zed, with 5+ merged, improving Agent Panel file disambiguation, file picker workflows, and related design decisions.

Movie Recommendation System | Python, PyTorch, Kubernetes, Terraform, MLflow, Triton, Prometheus

- Designed a cloud-native movie recommendation system using PyTorch, MLflow, Kubernetes, and Terraform, handling 500K+ daily interactions with <100ms latency during 5x traffic spikes.

Re-Mind AI | Flask, ReactJS, Mistral AI, MongoDB

- Led full-stack development of an AI health tracker using RAG over embeddings from five psychiatric books in ChromaDB, achieving 95% quality parity with ChatGPT for cognitive distortion analysis.

ACHIEVEMENTS AND PUBLICATIONS

- Won 3 hackathons, including hack for humanity organized by SCU, and 2 creators corner.
- 99.2 percentile (Rank 151/20,000+) in national CDAC PG-DAC entrance exam.
- Authored a research paper on Inter-Satellite communication in Satellite Communications, under the guidance of Dr. Moataghad.

TECHNICAL SKILLS

- Languages: Java, Python, Go, TypeScript, JavaScript, SQL, C++
- Frameworks: Spring Boot, PyTorch, Flask, NestJS, Hibernate/JPA, Ray
- Cloud & DevOps: AWS, Kubernetes, Docker, Terraform, Prometheus/Grafana, CI/CD, Jenkins, Git, Linux
- Data & Tools: Kafka, MLflow, Triton, MongoDB, PostgreSQL, MySQL, Redis, Elasticsearch, System Design, Networking