Yash Bakshi

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PROFESSIONAL SUMMARY

Software engineer with 3+ years building enterprise backends and cloud applications. Strong in Java, Python, APIs and CI/CD; delivered independent releases for five services.

SKILLS

Languages: Java, Python, C/C++17, TypeScript, JavaScript, SQL, Bash, Rust
Backend and Data: Micronaut, FastAPI, Node.js, REST APIs, OpenAPI, Pub/Sub, Avro, PostgreSQL, pgvector, MongoDB, Kafka, Neo4j
Cloud and Delivery: GCP, Cloud Run, AWS Lambda, SQS, Docker, Kubernetes, Terraform, CircleCI, CI/CD, immutable artifacts, SLOs
AI and Frontend: React, Next.js, LLMs, RAG, AI/ML
Testing and Operations: JUnit 5, JMH, K6, JWT, Linux/RHEL, Grafana, Prometheus, Git, Gradle
Others: Contract/load testing, Pytest, Linux/RHEL, ServiceNow, ITSM/ITOM, CMDB

PROFESSIONAL EXPERIENCE

Thryv

Software Engineering Intern — *Tempe, AZ* • **May 2026 - Aug 2026**

- Decoupled five Java services using CircleCI approval gates, enabling independent releases outside the shared train.
- Gated 100+ API operations with OpenAPI and JMH/k6 checks, closing an untested compatibility gap.
- Validated Pub/Sub payloads offline against Terraform-managed Avro schemas, removing live service calls and the need for new credentials.
- Defined SLOs and dependency-based release playbooks for four services, establishing production-readiness criteria.

InfoCenter, an Insight Company

Technical Team Lead — *Pune, India* • **Jun 2024 - Dec 2024**

- Coached 12 developers through reviews and runbooks, cutting escalations 30% quarter over quarter (per defect records).
- Led eight engineers across five projects with test/approval gates, maintaining zero critical post-deployment defects.
- Translated requirements from five clients into sprint plans and acceptance criteria, delivering ITSM, ITOM, CMDB and HRSD solutions.
- Retained an at-risk ITOM engagement by connecting infrastructure context to ITSM root-cause analysis.

Tata Consultancy Services

ServiceNow Developer — *Pune, India* • **Sep 2022 - May 2024**

- Built Python/LLDP discovery for 10,000+ CIs, validating 99% accuracy and supporting SLA-reported 99.9% CMDB/Discovery uptime.
- Integrated CloudWatch and SolarWinds through REST APIs, automating ServiceNow incident creation and status synchronization.
- Automated API health checks (40% less manual effort) and built 100+ access-aware Angular forms.
- Consolidated discovery/change procedures into runbooks, reducing onboarding from approximately 10 business days to five.

Assistant Systems Engineer — *Pune, India* • **Nov 2021 - Sep 2022**

- Troubleshot RHEL, Docker and HPC incidents using Bash and monitoring, identifying compute, storage and access failures.
- Supported HPC job scheduling on IBM Spectrum LSF, monitoring system and queue health to keep jobs running.

PROJECTS

TestPilot: AI Engineering Platform

- Built a FastAPI/Qwen service that retrieves coding standards with pgvector, generates pytest, Jest and JUnit tests, and regenerates any scoring below 0.6 through an LLM critique loop. It also ranks defect-prone files, and runs on Cloud Run.

CityWatch: AWS Ideathon 2026 winner

- Designed a serverless AWS pipeline (Kinesis, Lambda, Rekognition, Bedrock, EventBridge) that turns social-media signals into department alerts within 15 seconds.

GuardianAI: Neighborhood Safety Assistant

- Designed a two-lane chat in which location questions take a 1–2 second database-summary path and open-ended ones go to a 3–4 second ReAct agent, so the costly agent runs only when needed.

CV Studio: LaTeX Résumé Editor

- Built a multi-user résumé editor (React/Tiptap, FastAPI, PostgreSQL) that compiles real LaTeX to PDF on the server with shell escape off and timeouts, and keeps revision history with version checks against concurrent overwrites.

EDUCATION

M.S., Computer Software Engineering — Jan 2025 - Dec 2026

Arizona State University

- **Coursework:** Data Structures and Algorithms, Cloud Computing, Data Processing at Scale, Foundations of Software Engineering

Bachelor of Information Technology — Aug 2017 - Aug 2021

Manipal University Jaipur