

# Yash Bhardwaj

+91-8178084472 | yashbhardwaj911@gmail.com | linkedin.com/in/yash-bhardwaj-x | github.com/y4shb | y4shb.github.io

Senior software engineer with 4+ years building backend systems, internal platforms, and release automation across AMD, Qualcomm, and Licious. Experience spanning distributed systems, CI/CD, cloud infrastructure, microservices, observability, and developer productivity, with recent work on AI-assisted failure triage for GPU firmware validation.

## EXPERIENCE

---

### AMD

September 2025 – Present

*Senior Software Development Engineer, DCAuto Platform*

- Built features for DCAuto, AMD's internal platform for firmware CI and regression testing on MI450 data center GPUs, orchestrating deployments and validation workloads across physical test systems.
- Designed and shipped resilient self-check-in and fallback recovery flows with idempotency to harden deploy and submit workflows against transient infrastructure and hardware failures.
- Built DCAutoAI / Sherlog Holmes, a 5-stage failure-triage system for 50,000+ line GPU firmware validation logs using embeddings, FAISS vector search, and LLM-based root-cause analysis.
- Shipped Flask APIs and asynchronous services using Celery, Azure Service Bus, MongoDB, and Teams alerts to operationalize log triage and shorten investigation loops for validation failures.

### Qualcomm

August 2022 – June 2025

*Software Engineer*

- Designed and built scalable, high-availability systems for Qualcomm Software Center (QSC), an Electron application built with Node.js, Angular, and TypeScript for software and driver delivery to global OEMs.
- Delivered the first macOS universal release for QSC, resolving cross-platform dependency issues across Intel and Apple Silicon and enabling a smooth rollout for enterprise customers.
- Owned end-to-end release engineering for multiple modules, automating Jenkins and AWS CI/CD and packaging workflows; reduced software release times by 50%.
- Built AWS deployment, logging, and monitoring pipelines that improved release reliability, accelerated incident response, and strengthened operational visibility.
- Partnered with engineering managers and enterprise customers to triage bugs, prioritize releases, and deliver stable UI and platform features.

### Licious

June 2021 – July 2022

*Software Development Engineer*

- Designed and implemented Java (Spring Boot) and PHP microservices for a nationwide POS platform supporting high-volume order processing.
- Architected REST APIs that reduced response times by 25% across 100+ delivery centers.
- Built automated API tests with REST-assured, improving regression coverage and release confidence for backend services.
- Automated infrastructure deployment with Docker and Kubernetes, streamlining development and release workflows.

## EDUCATION

---

### BITS Pilani K K Birla Goa Campus

2017 – 2021

*Bachelor of Engineering (Hons.)*

## SKILLS

---

**Languages:** Python, Java, TypeScript, JavaScript, SQL

**Backend / Platform:** Flask, Spring Boot, Node.js, Microservices, REST APIs, Celery, Distributed Systems

**Cloud / Infra:** AWS, Azure, Docker, Kubernetes, CI/CD, Jenkins, Observability, Monitoring

**Data / Storage:** PostgreSQL, MongoDB, Redis, FAISS

**Client / Tools:** Angular, React, Electron, Git, JIRA

**AI / ML:** Embeddings, LLM Applications, TensorFlow, PyTorch