

Yash Bhardwaj

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Experienced Software Engineer with a proven track record in designing, developing, and deploying **high-availability, scalable systems**. Skilled in **microservices, cloud architecture, and system design**, with expertise in **Java, Python, AWS, Angular, Javascript and CI/CD pipelines**. Passionate about optimizing systems, mentoring engineers, and driving innovation in **large-scale distributed systems**.

EXPERIENCE

Qualcomm

August 2022 – Present

Software Engineer

- Designed and built **scalable, high-availability** systems for **Qualcomm Software Center (QSC)**, an Electron app built using **NodeJS, Angular, & TypeScript**, ensuring seamless software distribution.
- Delivered the first MacOS universal release for QSC**, single-handedly resolving cross-platform dependencies and ensuring a frictionless rollout to **Fortune 500 clients like Apple, Samsung, and Bosch**.
- Owned the **end-to-end release management** process, automating **CI/CD pipelines via Jenkins**, packaging multiple modules, and enhancing **code quality** via rigorous **design/code reviews**.
- Architected **AWS-based deployment pipelines**, reducing software release times by **50%** and enhancing cloud scalability for customer-facing products.
- Optimized system performance through **asynchronous processing and caching strategies**, implemented **scripts and client-side features** improving API response times by **30%**.
- Mentored junior engineers, **engaged daily with key clients** (e.g., **Microsoft, BMW, AT&T**), addressing technical queries and providing deployment support.

Tech Stack: NodeJS, Angular, Electron, Javascript, AWS, High-Availability Systems, CI/CD, Python

Licious

June 2021 — July 2022

Software Development Engineer

- Designed and **implemented scalable microservices** in Java (Spring Boot) and PHP, **optimizing high-volume order processing** for a nationwide POS system.
- Architected RESTful APIs, reducing API response times by **25%** across 100+ delivery centers.
- Built an **automated unit testing framework** using REST-assured, enhancing test coverage.
- Automated **infrastructure deployment** with Docker and Kubernetes, streamlining development workflows.

Tech Stack: Java, SpringBoot, PHP, Microservices, High-Traffic Systems, Docker, Kubernetes, AWS

EDUCATION

BITS Pilani KK Birla Goa Campus

2017 – 2021

Bachelor of Engineering(Hons.)

PROJECTS

High-Scalability System Design, QSC | Qualcomm

- Engineered **high-performance API gateways**, assisted in **Axway-to-Apigee migration for QSC**, handling millions of requests per second.

Prognostics Modeling of Part Degradation in Turbofan Engines | Thesis, BITS Pilani

- Designed LSTMs and ensemble based AI models using TensorFlow, achieving an R2 score of 0.75 for turbofan engine **life-cycle prediction**.

DeepFake Generation and Detection Using GANs | BITS Pilani

- Modelled GANs for generating clear, recognizable images using PyTorch, achieving an 80% accuracy.

Statistical Analysis of COVID-19 Transmission Using SVMs | BITS Pilani

- Analyzed and predicted COVID-19 spread using SVMs with 96.7% accuracy.

SKILLS

Java, JavaScript, TypeScript Python, Angular, NodeJS, Electron, Agile, CI/CD, SQL, TensorFlow, AWS, Docker, JIRA