

ABHISHEK SHAH

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WORK EXPERIENCE

Goldman Sachs

Associate Software Engineer

June 2024 – Present

Jersey City, NJ

- Improved reliability of a distributed reporting platform processing **60M+ records daily**, reducing downtime by **25%** through **Java** and **SQL** optimization.
- Built large scale reporting workflows using **Java, Python, Shell, and SQL**, reducing manual reconciliation by **40%** and accelerating reporting cycles.
- Designed and implemented a fault-tolerant backup and disaster recovery mechanism guaranteeing **99.9% data integrity** across production systems.
- Streamlined **Java-based backend** services processing high-volume datasets, increasing throughput and eliminating recurring performance bottlenecks.
- Led a team of **8 consultants** to migrate services from **HTTP to HTTPS** and **FTPS**, strengthening encrypted data transfer and platform security.
- Shipped scalable backend enhancements to production, improving reporting efficiency and system maintainability.

General Electric

Software Engineer Intern

Jan 2023 – Dec 2023

Rochester, NY

- Migrated a monolithic system to **Node.js** microservices, resulting in a **40%** reduction in service bottlenecks and improved scalability.
- Revamped legacy frontend systems using **React.js**, improving UI responsiveness and reducing rendering latency.
- Reduced deployment cycle time by **2x** through **CI/CD** pipeline automation using Python.
- Automated regression testing using **Selenium**, improving release consistency and reducing manual QA effort.
- Collaborated with **5+ cross functional teams** to deliver integrated hardware and software solutions.

QuantBinary.ai

Machine Learning Intern

Sept 2020 – Jan 2021

Amravati, India

- Developed algorithmic trading strategies using **Python** and **C++** for US equity markets.
- Optimized trading strategies through statistical modeling and backtesting, achieving **2% average monthly return**.
- Built a **FastAPI** backend, reducing API response time to under **50ms**.

TECHNICAL SKILLS

Languages	Python, Java, C++, SQL
Backend	Microservices, REST APIs, Flask, Django
Data	PySpark, Apache Kafka
Cloud/DevOps	AWS, Docker, Kubernetes, Terraform
Databases	PostgreSQL, MySQL, MongoDB, DynamoDB
Tools	Git, Maven, Gradle, Selenium, JUnit

PROJECTS

Podcast Summarizer

- Developed an end-to-end podcast summarization pipeline on **AWS** using **Keras**, achieving **87% model accuracy**.
- Deployed summaries via a **React.js** interface with infrastructure provisioned using **Terraform**.

Content-Based Image Retrieval

- Implemented a similarity-based image retrieval system using **Flask** and **Python** for feature-driven querying.
- Optimized distributed processing on a three-node **Apache Hadoop** cluster, improving system performance by **15%**.

EDUCATION

Rochester Institute of Technology, New York

Master of Science in Computer Science

Aug 2021 – May 2024

GPA: 3.74/4

Sant Gadge Baba Amravati University, India

Bachelor of Engineering in Computer Science

Jun 2016 – Jun 2020

CGPA: 9.11/10