

Yash Patil

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EDUCATION

Sardar Patel Institute of Technology

Bachelor of Engineering in Electronics and Telecommunication; CGPI: 8.99

Mumbai, India

2016 - 2020

SKILLS

Languages: Java, Go, TypeScript, Python, SQL

Frameworks and Technologies: Spring Boot, ReactJS, REST, gRPC, Server-Sent Events, Docker, Terraform, AI-assisted development (GitHub Copilot, Cursor)

Infrastructure and GCP: Cloud SQL, Cloud Run, Cloud Functions, Pub/Sub, Load Balancing, IAM

Systems: Distributed systems, event-driven architectures, microservices, API design, cloud-native systems

EXPERIENCE

MSCI Inc.

Pune, India

Senior Technology Associate

Jan 2025 - Present

- Automating asset allocation rebalancing in financial models for **MSCI Wealth Manager**, deeply integrated with MSCI's **Quantitative Investment Solutions** for returns and tax calculations
- Utilizing **ReactJS** with **TypeScript** on the UI, **Go** for services and analytics, supported by a highly normalized **PostgreSQL** database managed by **Liquibase**, hosted on **Google Cloud Platform**

Deutsche Bank

Pune, India

Technology Associate

Mar 2023 - Dec 2024

- Engineered **Synthix**, a global SaaS receivables platform **reducing payment processing effort by 40+ hours per week** and improving entitlement configuration time **from 5 minutes to 10 seconds** per user
- Built and enhanced client-facing **ReactJS** and MUI web application, integrating with **Go** and **Spring Boot** REST/gRPC backends and event-driven communication, deployed on **GCP** via **Terraform**
- Delivered a **VPA-Lookup API** which searches for UPI handles given a VPA handle prefix across 10 banks in India
- Developed a **Docker Compose** setup for full application and infrastructure replicas, **reducing test environment setup from 2 hours to 5 minutes** and accelerating development cycles.

Deutsche Bank

Pune, India

Technology Analyst

Aug 2020 - Feb 2023

- Built a **Contextual Marketplace** for partners, where corporates can subscribe to banking products, using **ReactJS** for customer-facing web portal, served by REST backend in **Go**, having microservices supported by **gRPC**
- Developed and enhanced client-facing **Payment and Direct Debit APIs** within Corporate Banking Technology, covering payments across **India, SEPA, UK, Russia and Indonesia** using **Spring Boot** and **Spring WebFlux**

Fractal

Mumbai, India

Data Science Intern

Jan 2020 - Jun 2020

- Built an **Invoice Digitization** system using **Deep Learning** and **NLP**, reducing invoice processing from **20+ man-hours to less than 1 hour/week**

CREDENTIALS

LeetCode /u/yashpatil1998

Google Cloud Platform Associate Cloud Engineer

Deutsche Bank Gold Problem Solver Award Winner, Hack2Protect Winner MAY2023, DEC2022, Global Blockchain Hackathon Winner, Global Hackathon National Finalist (2022) and Global Finalist (2024)

The Asset Triple A Treasurise Awards 2024 Best Cash Management Solution Award 2024