

Ritwik Kapoor

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EXPERIENCE

Accenture — Associate Software Engineer

Oct 2024 - Present

- Built mParticle event-ingestion pipelines through Gravitee webhooks for a leading US fast-food client, processing 15M+ requests/day with p50 latency of 5ms.
- Developed reusable Terraform modules for VPC networks, subnets, firewall rules, routing, and GCP Cloud Armor protection.
- Built Python services on Cloud Run with Confluent Kafka and BigQuery Sink Connector for peak traffic of 6K requests/sec; reduced cold-start latency from 60ms to 12ms.
- Built internal AI agents with prompt engineering and GitHub Copilot to automate unit-test generation and code-quality analysis, reducing manual testing effort by 40%.

EDUCATION

JSS Academy of Technical Education, Noida — B.Tech Computer Science

Dec 2020 - Aug 2024

TECHNICAL SKILLS

Languages: C, Java, Python, JavaScript

Frameworks: ReactJS, NodeJS, ExpressJS, Flask

Databases: MySQL, MongoDB

DevOps: AWS, GCP, Docker, GitHub Actions, Terraform, Kubernetes, CI/CD

Tools: Linux, Git, GitHub, Nginx, Redis, Confluent Kafka

PROJECTS

Medicify — Doctor Appointment Platform

- Built a MERN doctor appointment application with Redux Toolkit, Tailwind CSS, appointment scheduling, Razorpay webhooks, reviews, and an admin dashboard.
- Containerized with Docker; deployed Flask machine-learning APIs; used BullMQ with AWS SES for email, Redis caching, and Azure VM deployment with Nginx and pm2.
- Source: github.com/RitwikKapoor/Medicify-Platform

Golang Web App

- Built a static Go site and provisioned a DigitalOcean Kubernetes cluster with Terraform and Nginx Ingress.
- Created GitHub Actions CI and Argo CD continuous delivery using Docker Hub and Helm charts. Source: github.com/RitwikKapoor/go-web-app-devops

ACHIEVEMENTS

- Published Springer research paper: "Prediction of Health Insurance Premium Using XGBoost Algorithm."
- Achieved a peak LeetCode rating of 1725, placing in the top 10% globally.