

Vipul Gupta

Senior Software Engineer

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Work Experience

Senior Software Engineer

Oct 2024 - Present

Adpushup Pvt Ltd

- **Database Migration:** Successfully migrated the entire database from **SQL Server** to **PostgreSQL**, reducing operational costs by **50%** and improving query performance by **~40%**.
- **CDN Migration:** Critical migration of the CDN from **Edg.io** to **AWS CloudFront** within **3 days**, handling a scale of **1.5B RPD**, ensuring **zero downtime** through effective team coordination.
- **CI/CD Automation:** Containerized and automated the CI/CD pipeline using **Jenkins** and **Docker**, resulting in **80% faster deployment times** and seamless delivery processes.
- **API Optimization:** Redesigned a core business API from **Java** to **Go**, achieving a **~50% faster response**, significantly enhancing system performance.
- **Team Leadership:** Managing and mentoring a team of 2 engineers, focusing on their technical growth, guidance, and training to align with organizational goals.

Software Engineer

May 2022 - Oct 2024

Adpushup Pvt Ltd

- **Cloud Migration & Cost Optimization:** Successfully migrated the entire infrastructure from **Azure** to **Oracle Cloud** within **2 months**, implementing **Terraform** and **Ansible** for full automation, resulting in a **50% cost reduction** with **zero downtime**.
- **Monitoring & Alerting System:** Implemented **Prometheus**, **Grafana**, **Consul**, and **PagerDuty** for monitoring and alerting, reducing **issue resolution time by 40%** and improving system reliability.
- **Database API:** Developed an API for the production database, **reducing dependencies** and substantially **boosting the efficiency** and **productivity** of the engineering team. This initiative resulted in a notable **20% improvement** in the database performance.
- **ETL Automation:** Automated **scheduling of ETL pipelines** using **Airflow** in production, **eliminating all manual interventions**, and improving efficiency and reliability.
- **Hiring:** Led **hiring**, **mentoring**, and **training** initiatives for new team members, resulting in a notable **30% increase** in team productivity.

Open Source Contributions

- **Spring Data Couchbase:** Contributed to the **Spring Data Couchbase repository**, with **two merged PRs** enhancing functionality and improving performance. PRs: [Link1](#) | [Link2](#)

Skills

Java System Design Spring Boot Databases (SQL/NoSQL) Docker Kafka Apache Spark GO
JavaScript Terraform Ansible C/C++

Education

B.Tech

Aug 2019 - Aug 2023

Delhi Technological University

- Major in **Engineering Physics**
- Minor in **Computer Science**