

VIPUL GUPTA

SOFTWARE ENGINEER

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Experience

Adpushup Pvt Ltd

Oct 2024 – Present

Senior Software Engineer

- **Database Migration:** Migrated database from **SQL Server** to **PostgreSQL**, reduced operational costs by **50%** and improved query performance by **40%**.
- **Floor Sense Product** 🚀: Built a real-time advertisement pricing product, scaled it to 100+ sites with **100M daily requests**. Achieved **20% revenue growth** with **99% uptime**.
- **CDN Migration:** Led migration from Edg.io to AWS CloudFront, with **zero downtime** at **25K RPS**.
- **CI/CD Automation:** Containerized and automated the CI/CD pipeline using **Jenkins** and **Docker**, leading to **80%** faster deployments.
- **API Optimization:** Rewrote core business API from Java to Go, delivering a **50% faster response**, significantly enhanced system performance.
- **Team Leadership:** **Managing** and **mentoring** a team of **3 engineers**, focusing on their technical growth, guidance, and training to align with organizational goals.

Adpushup Pvt Ltd

May 2022 – Oct 2024

Software Engineer

- **Cloud Migration & Cost Optimization:** Migrated the entire infrastructure from Azure to Oracle Cloud, used **Terraform** and **Ansible** for full automation, delivering **50% cost reduction with zero downtime**.
- **Monitoring & Alerting System:** Implemented Prometheus, Grafana, Consul, and PagerDuty for monitoring and alerting, reduced **issue resolution time by 40%** and increased system reliability.
- **Database API:** Created internal API with **Redis** cache for production SQL Server, boosted database efficiency by **20%**.
- **ETL Automation:** Automated ETL pipelines using **Airflow**, eliminating manual interventions and increasing reliability.

Projects & Open Source

DiceDb Java SDK 🚀 | Java, Go, Networking

Apr 2025

- Developed a Java SDK for DiceDB with full command support and reactivity.
- Implemented TCP-level connection pooling to optimize performance and resource management.

URL Shortener 🚀 | Go, PostgreSQL, Redis/DiceDB

Apr 2025

- Shorten your URLs using a simple API.
- [Live Demo](#) 🚀

Self-Hosted Web Server on Raspberry Pi 4 | DevOps, Networking

Jan 2025

- Designed and deployed a self-hosted web server using Raspberry Pi 4, managing multiple websites and services.
- Hosted and maintained [portfolio website](#) and a [Jenkins CI/CD server](#).

Open Source Contributions | Go, Java

Jan 2025 - May 2025

- [DiceDB](#) 🚀: Resolved critical bugs and implemented new features to enhance database functionality.
- [Spring Data Couchbase](#) 🚀: Resolved a bug, and enhanced functionality.

Technical Skills

Languages: Java, GO, JavaScript, C/C++, SQL

Technologies/Frameworks: Spring/Spring Boot, Kafka, Hadoop, Spark, Docker, Terraform, Ansible, Jenkins, Kubernetes

Databases: PostgreSQL, SQL Server, Clickhouse, Couchbase

Education

Delhi Technological University

Aug. 2019 – Aug. 2023

Bachelor of Technology in Physics/Computer Science