VIPUL GUPTA
SOFTWARE ENGINEER

📞 +91 8130453972   ✉ mail@vipulgupta.me   in LinkedIn   GitHub   🌐 vipulgupta.me   📍 Delhi, IN

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 **99.9% uptime**.
- **CDN Migration**: Led migration from Edg.io to AWS CloudFront, with **zero downtime** at **25K RPS**.
- **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**.
- **CI/CD Automation**: Containerized and automated the CI/CD pipeline using **Jenkins** and **Docker**, leading to **80%** faster deployments.
- **Monitoring & Alerting System**: Implemented Prometheus, Grafana, Consul, and PagerDuty for monitoring and alerting, reduced **issue resolution time by 40%** and increased system reliability.
- **ETL Automation**: Automated ETL pipelines using **Airflow**, eliminating manual interventions and increasing reliability.

Projects & Open Source

Clouding - Infrastructure Manager 🔗 | *Go, Ansible, Python* **June 2025 – Present**
- Clouding is a developer-first platform for visual infrastructure configuration and deployment.
- Configure VMs effortlessly by dragging and dropping components like Nginx or Java.

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 - July 2025**
- Comcast/rulio 🔗: Dockerized Rulio with a secure, distroless image for lean deployments.
- 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