AMIT AGRAWAL
SENIOR SOFTWARE ENGINEER

📞 +91-7869414716 | ✉ amitagrawal235@gmail.com | 🔗 amitagrawal235

Education

Bachelor of Engineering (Hons.)   2020

Birla Institute Of Technology and Science, Pilani

Relevant courses: Computer Programming, Object-Oriented Programming, Operating Systems, Machine Learning

Class XII, CBSE (Science)   2015

Shree Vaishnav Academy, Indore

Technical Skills

- **Languages**: Go, Typescript, Javascript, SQL, Java
- **Technologies**: AWS, Kubernetes, Docker, Kafka, Clickhouse, MongoDB, GraphQL, Redis, Node.js, CI/CD, Git, Airflow

Experience

Plotline, Inc. (Founding Team)

Senior Software Engineer (SDE 3)   Jun 2024 – Present

- Directed a team of 6 developers to create all product offerings from prototyping to production, overseeing recruitment, onboarding, mentoring, and internship initiatives.
- Established and standardized code review and delivery processes, improving quality, efficiency and reliability. Configured **CI/CD pipelines** with automated testing, reducing deployment effort and minimizing downtime.
- Led efforts to achieve **SOC2** and **GDPR** compliance, ensuring adherence to security and data protection standards.

Senior Software Engineer (SDE 2)   Apr 2022 – Jun 2024

- Spearheaded the architecture design and implementation of highly scalable Go server serving peak load of **5 million rpm** and more than **1 billion** API calls daily with P90 response times of **0.4s** and P99 of **1s**.
- Implemented a centralized logging, monitoring and alerting mechanism with **Datadog** and **Betterstack**, enhancing system visibility and helping achieve a **99.9%** SLA.
- Orchestrated the architecture design and development of event sync pipeline and segmentation system for real time user targeting, handling more than **10 billion** events every day.
- Architected and supervised the implementation of a scalable and configurable outside-app communication service, facilitating the delivery of **5 million** messages daily across various channels like Webhooks, Push, Whatsapp, and Emails.
- Engineered and implemented a robust mechanism for scheduling app overlays and native embeds, configuring user journeys, and measuring KPI growth from experiments.

Simply Vyapar Apps Pvt. Ltd.

Software Development Engineer   Jun 2021 – Apr 2022

- Integrated Razorpay's payment interface and built a reconciliation system to address high drop-off rates in the licensing process, resulting in a **20%** reduction in incomplete transactions and improved conversion rates.
- Built an agent workflow system with scheduling, feedback, and automated distributor commission disbursement.
- Developed a bulk licensing automation pipeline to handle hourly onboarding of new IndiaMART subscribers improving operational efficiency by eliminating manual processing.

Hyperverge, Inc.

Software Development Engineer   Jun 2020 – Jun 2021

- Developed a cloud-agnostic identity verification and fraud detection stack for SEA nations, enabling rapid deployment across multiple cloud providers and improving regulatory compliance and fraud prevention capabilities.
- Transitioned core services to an asynchronous, event-driven architecture and set up performance monitoring and alerting system, resulting in a **40%** reduction in response times, **99.999% uptime**, and an error rate below **0.01%**.
- Set up a Kubernetes-based job scheduling system for model training workloads, improving GPU utilization by **60%**.

Morningstar, Inc.

Technology Intern   Jul 2019 – Dec 2019

- Implemented microservices to streamline ETL workflows enabling faster onboarding of new data sources.
- Developed an event-driven calculation engine for daily computation of financial indices for more than 400k securities.
- Competed in the AWS DeepRacer Challenge, training an autonomous race car using Reinforcement Learning.

Leadership

Nirmaan Organization

Project Leader   January 2018 - May 2018

- Led a team of more than 20 volunteers under **Project Gyanbodh (Baas village)**, driving sustainable and holistic development initiatives, coordinating efforts to ensure their successful execution for a community of 600+ beneficiaries.
- Organized evening tuition sessions, health drives, eye-checkup camps, and informative workshops, coordinating efforts to ensure their successful execution for the community.