AMIT AGRAWAL
SOFTWARE DEVELOPMENT ENGINEER

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Education

Birla Institute Of Technology and Science, Pilani   **2015-2020**
Bachelor of Engineering (Hons.)   *Pilani, RJ*
Relevant courses: Computer Programming, Object-Oriented Programming, Operating Systems

Shree Vaishnav Academy, Indore   **2015**
CBSE Class XII (Science)   *Indore, MP*

Experience

Plotline, Inc.   **April 2022 – Present**
Software Engineer (Founding Team)   *Bangalore, KA*

- Directed a team of 6 developers to create all product offerings from prototyping to production, overseeing recruitment, onboarding, mentoring, and internship initiatives.
- 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**.
- 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.
- Implemented a centralized logging, monitoring and alerting mechanism with **Datadog** and **Betterstack**, enhancing system visibility and helping achieve a **99.9%** SLA.
- **Segmentation System**: 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.
- **Outside-App Messages**: 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 notifications, Whatsapp, and Emails.
- **Scheduling and experimentation platform**: Engineered and implemented a robust mechanism for scheduling app overlays and native embeds, configuring user journeys, and measuring KPI growth from experiments.
- Led efforts to achieve **SOC2** and **GDPR** compliance, ensuring adherence to security and data protection standards.

Simply Vyapar Apps Pvt. Ltd.   **June 2021 – April 2022**
Software Development Engineer   *Bangalore, KA*

- Integrated Razorpay payment interface and reconciliation system leading to a reduction in licensing drop-offs by **20%**.
- Developed a comprehensive agent scheduling, calling, and feedback system to streamline operations, with distributor commission calculation, automatic disbursement, and monitoring functionality.
- Formulated a bulk licensing flow, automating the creation of licenses for new IndiaMART subscribers hourly.

Hyperverge, Inc.   **June 2020 – June 2021**
Software Development Engineer   *Bangalore, KA*

- Developed a cloud-agnostic identity verification and fraud detection stack for SEA nations.
- Shifted from synchronous to asynchronous event-based architecture reducing response times by **40%**.
- Set up performance monitoring and alerting system to achieve **99.99%** uptime and less than **0.01%** error rate.
- Used Kubernetes to setup a job orchestration and scheduling system, optimizing GPU allocation for ML model training.

Morningstar, Inc.   **July 2019 – December 2019**
Technology Intern   *Mumbai, MH*

- Implemented modular and scalable microservices architecture for configuring efficient ETL workflows.
- Developed an event-driven calculation engine, enabling daily index calculations for more than 400k securities.
- Competed in the AWS DeepRacer Challenge, training an autonomous race car using Reinforcement Learning.

Technical Skills

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

Leadership

Project Leader   **January 2018 - May 2018**
Nirmaan Organization   *Baas, Pilani, RJ*

- Led a team of more than 20 volunteers under **Project Gyanbodh (Baas village)**, driving sustainable and holistic development initiatives 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