

# 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

Founding Software Engineer

Bangalore, KA

An in-app engagement and experimentation platform

- Directed a team of 6 developers to create all product offerings from prototyping to production, overseeing hiring, mentoring, and internship initiatives.
- Spearheaded 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. Implemented CI/CD pipelines that increased deployment frequency by 40%.
- Set up monitoring and alerting systems to achieve uptime SLA of 99.9% and less than 0.01% error rate.
- Segmentation System:** Led the architecture design and development of event sync pipeline and segmentation system for real time user targeting, handling more than 10 billion events everyday.
- Push Notifications:** Architected and led the implementation of a configurable push notification service, facilitating the delivery of 5 million notifications daily.
- Scheduling and experimentation platform:** Engineered and implemented a mechanism to schedule configured overlays and native embeds as well as calculating the growth of KPIs from experiments.
- Led efforts to achieve SOC 2 and GDPR compliance, ensuring adherence to rigorous security and data protection standards.

### Simply Vyapar Apps Pvt. Ltd.

June 2021 – April 2022

Software Development Engineer

Bangalore, KA

- Integrated Razorpay payment interface, monitoring and reverification system leading to reduction in licensing drop-offs by 20%.
- Created agent assignment, call scheduling, feedbacks and commissions management system.
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### 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 to assign GPUs 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.
- Recognition:** Awarded Morningstar monthly SPOT Award for September 2019.

## Technical Skills

**Languages:** Go, Java, Typescript, Javascript, SQL

**Technologies:** AWS, Kubernetes, Docker, Kafka, Clickhouse, MongoDB, GraphQL, CI/CD, Vercel

## Leadership

### Project Leader

January 2018 - May 2018

Nirmaan Organization

Baas Village, Pilani, RJ

- led a team of more than 20 volunteers under **Project Gyanbodh (Baas village)**, working for holistic and sustainable development of the village community having 600+ beneficiaries, conducting evening tuition sessions, health and sanitation drives, eye checkup camps, informative sessions etc.