

# AMIT AGRAWAL

## SOFTWARE DEVELOPMENT ENGINEER

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## Education

**Birla Institute Of Technology and Science, Pilani**

*Bachelor of Engineering (Hons.)*

**2015-2020**

*Pilani, India*

**Shree Vaishnav Academy, Indore**

*CBSE Class XII (Science)*

**2015**

*Indore, India*

## Relevant Coursework

- Computer Programming
- Object Oriented Programming
- Operating Systems

## Experience

**Plotline, Inc.**

*Founding Software Engineer*

**April 2022 – Present**

*Bangalore, India*

- Directed a team of 6 developers to create in-app engagement and A/B testing platform from scratch.
- Designed, developed and managed scalable RESTful APIs in Go handling peak load of 5M rpm and more than 1B API calls everyday with P90 around 0.4 second and P99 around 1 second.
- Architected and led the development of event capture and dynamic segmentation system for real time user targeting, handling around 10B events daily.
- Handled deployment, Implemented a continuous integration/continuous deployment pipeline that increased deployment frequency by 40%, set up monitoring and alert systems to achieve SLA of 99%.
- Architected and led the implementation of a configurable push notification service, sending 5M push notifications daily.
- Administered code reviews and provided mentorship, enhancing code quality and reducing post-deployment hotfixes. Mentored 7 interns throughout their internships.
- Helped in developing sdks in Kotlin, swift, Web, ionic, flutter, React native, etc.
- Helped in developing a dashboard in nextJs, for configuration and campaign metrics analysis.

**Simply Vyapar Apps Pvt. Ltd.**

*Software Development Engineer*

**June 2021 – April 2022**

*Bangalore, India*

- 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.

**Hyperverge, Inc.**

*Software Development Engineer*

**June 2020 – June 2021**

*Bangalore, India*

- 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.**

*Technology Intern*

**Jul 2019 – Dec 2019**

*Mumbai, India*

- Implemented modular and scalable microservices architecture for configuring efficient ETL workflows.
- Developed event-driven Index calculation engine, enabling daily calculations for around 400k securities.
- Performed extensive integration testing as well as unit testing using JUnit 5 and mockito framework.
- **Recognition:** Awarded Morningstar monthly SPOT Award for September 2019.

## Technical Skills

**Languages:** Go, Java, Typescript, Javascript, SQL,  $\text{\LaTeX}$

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