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*

- 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 and set up monitoring and alerting mechanism that increased deployment frequency by **40%** and helped in achieving SLA of **99.9%**.
- **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 and reverification system leading to reduction in licensing drop-offs by **20%**.
- Developed a comprehensive agent scheduling, calling, and feedback system to streamline operations, integrating distributor commissions calculation, automatic disbursement, and monitoring functionalities.
- Implemented 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 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, 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.