

Aprameya Bhat

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Professional Experience

Roblox Corporation

San Mateo, CA

SENIOR SOFTWARE ENGINEER

March.2025 - Present

- Design and implement highly scalable, real-time logging system using Kafka, Elasticsearch, and Kibana, enabling comprehensive end-to-end production visibility
- Deploy and Manage Self Hosted Open-Source Sentry for error tracking and monitoring as a infra platform for the company
- Build and maintain cloud-native monitoring and alerting platform on Kubernetes using Helm, Prometheus, and Grafana, providing real-time operational insights and proactive issue detection
- Develop and optimize ETL pipelines with FluentBit for data scraping, enrichment, streaming, and ingestion, improving data flow and observability across the platform

Fanatics, Inc

San Mateo, CA

SENIOR PLATFORM ENGINEER

July.2018 - March.2025

- Designed and developed a scalable, highly available real-time logging system using Zookeeper, Kafka, Elasticsearch, Graylog, and Druid for end-to-end production logging
- Built cloud-native monitoring and alerting platform in Kubernetes with Fluent-bit, Helm, Prometheus, and Grafana for real-time insights and proactive issue resolution
- Created ETL pipelines using Vector, Redpanda Connect, and FluentBit for data enrichment, streaming, and ingestion
- Improved scalability and reliability of real-time production services managing large datasets across cloud and on-premises environments
- Developed data-intensive services with cloud and on-premises infrastructure, leveraging expertise in data processing, storage, and analytics
- Optimized the end to end logging pipeline, reducing infrastructure costs and operational overhead, resulting in annual savings of over \$2.3M

State University of New York at Binghamton

Binghamton, NY

RESEARCH PROJECT ASSISTANT

May.2017 - August.2017 & December.2017 - June.2018

- Optimized virtual machine performance by implementing virtual CPU scheduling and process pinning techniques, resulting in improved resource utilization and reduced overhead
- Enhanced hypervisor efficiency by developing a live replacement mechanism, minimizing hypervisor involvement in virtual machine operations and improving overall system responsiveness

State University of New York at Binghamton

Binghamton, NY

GRADUATE TEACHING ASSISTANT

August.2017 - December.2017

- Conducted research to improve virtual machine performance with increasing virtual CPU counts, exploring techniques for efficient resource allocation and utilization
- Taught and mentored students in Operating Systems and Systems Programming courses, conducting classes, exams, and grading assignments

Evry India Pvt Ltd

Bangalore, India

SOFTWARE ENGINEER ASSOCIATE

July.2015 - July.2016

- Designed and developed full-stack applications using C#, ADO.NET, MVC, JavaScript, and HTML, building scalable REST APIs and intuitive user interfaces for a seamless user experience

Technical Skills

Programming Languages

Python, Java, Go, C, C#, Shell

DevOps & Infrastructure

Git, Amazon Web Services, Docker, Kubernetes, Helm, Nomad

Data Streaming & Messaging

Kafka, Kafka-Stream, Zookeeper, Vector.dev, Fluent-bit, Redpanda-Connect, Logstash

Monitoring & Observability

Elasticsearch, Kibana, Graylog, Prometheus, Grafana, Druid, Sentry

Publication

Overcoming Virtualization Overheads for Large-vCPU Virtual Machines

Milwaukee, WI

AUTHORS: OZGUR KILIC, SPOORTI DODDAMANI, APRAMEYA BHAT, HARDIK BAGDI, KARTIK GOPALAN

September.2018

- Published at "2018 IEEE 26th International Symposium on Modeling, Analysis, and Simulation of Computer and Telecommunication Systems"

Education

State University of New York at Binghamton (Binghamton University)

Binghamton, NY

MASTER OF SCIENCE IN COMPUTER SCIENCE

August.2016 - May.2018

Visvesvaraya Technological University

Mangalore, India

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE

August.2011 - May.2015