

Sameer Ravindra Kulkarni

<https://github.com/ksameersrk>

Email : contact@sameer.page

Mobile : +91-948-000-3854

EDUCATION

- **People's Education Society Institute of Technology (PES University)** Bangalore, India
Bachelor of Engineering in Computer Science; CGPA: 9.57/10.0 Aug. 2013 – May. 2017

EXPERIENCE

- **Intuit IDC** Bangalore, India
Software Engineer 2 - Observability Feb. 2019 - Present
 - **Kubernetes Logging Solution at Enterprise Scale:** Developing an end-to-end solution to ingest Cluster/Application logs from Kubernetes to Splunk (Log Destination). The service is optimised for the cost (using S3 instead of Kinesis Streams - up to 80% cost savings) and scales to tens of GB's per minute. The solution also enriches the metadata on the fly and is highly customizable. This solution has intelligent back-pressure built-in when the Log Destination is down.
 - **AWS Services Logging Solution at Enterprise Scale:** Developed a micro-service to ingest the logs from Kinesis/Cloudwatch source to (Log Destination) Splunk. This module is currently in production and is being used by all our customers within Intuit.
 - **Migrating home-grown Tracing library to Opentracing:** Developed, maintained and migrated the home-grown distributed tracing library to Opentracing specification. The traces emitted from the application can now be ingested to Opentelemetry collector.
 - **Control Plane for the Logging Services:** Developed a registry which acts like onboarding tool for various logging-pipelines solutions.
 - **Logging Troubleshooter:** Developed a service which can help developers across Intuit to quickly identify components causing the problems.
- **Intuit IDC** Bangalore, India
Software Engineer 1 - Distributed Tracing Aug. 2017 - Jan. 2019
 - **Distributed Transaction Logging Library - Java and NodeJs:** Developed an Intuit wide strategic project on distributed tracing library which helps cover various different web-technologies such as - RestTemplate, RestEasy, Jersey, HttpClient, Jetty client, Jax-RS, Servlets, JMS, request and node-fetch etc.
 - **Self-service CLI:** Developed a CLI application which is widely used across Intuit to on-board Services to Intuit Logging Framework. CLI made on-boarding of services friction-less, reducing the on-boarding time from 2 days to 30 seconds.
 - **Event Correlation:** Correlation of the events based on logs from Transaction Logging Library and Server Health Information derived from the daemon like Sensu.
- **Intuit IDC** Bangalore, India
Intern - Product Infrastructure Jan. 2017 - Jun. 2017
 - **Monitoring Application:** A Web Application to change the maintenance mode of hosts in Spectrum and Sitescope monitoring services. Application was also used for audit purposes.
 - **Auto-Remediation:** A tool to auto-remediate the alerts with Drools rule engine and Mistral workflow service.
- **Vayavya Labs** Belgaum, India
Intern Summer 2015
 - **Automation of Error checking and parsing the input to DDGen:** Created a parser for error checking and automated the entire process to save the person-hours.
 - **Worked on API's of Clang Compiler:** Worked on Syntax-Tree to convert C++ code to a DSL.

PUBLICATION AND PROJECTS

- **SEA: SSD Staged Energy Efficient Object Storage System Architecture:** Simulated and enhanced OpenStack Swift (Object Storage) for energy efficiency - <http://www.ijitee.org/wp-content/uploads/papers/v9i7/G5693059720.pdf>
- **Cachediff:** Localised cache analysis of C/C++ programs. It is a tool to study the effect of cache performance between two versions of the same C/C++ program. - <https://github.com/ksameersrk/cachediff>
- **Enhanced google maps:** An Android Travel app wherein user can plan an entire trip itinerary.
- **IPL Match Simulation:** Used Historical IPL data to determine the skill of Batsman and Bowler, and simulated an entire an IPL match using Probabilistic theory.
- **Sentiment Analyser:** A Twitter sentiment analyzer to segregate tweets into positive, neutral and negative sentiment.

LANGUAGES AND TECHNOLOGY

AWS Services, Kubernetes, Docker, Java, Python, Opentracing, Spring, Maven, Git

ACCOMPLISHMENTS

Star of the Quarter (x2), AWS Certified Developer Associate, International Rated Chess Player