

Sameer Ravindra Kulkarni

<https://github.com/ksameersrk>

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EDUCATION

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- **People's Education Society Institute of Technology (PES University)** Bangalore, India
Bachelor of Engineering in Computer Science; CGPA: 9.57/10.0 2013 – 2017
 - **Birla Institute of technology & Science (Work Integrated Learning Program)** Bangalore, India
Master of Technology in Data Science & Engineering; CGPA: 8.04/10.0 2019 – 2021

EXPERIENCE

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- **Intuit** Bangalore, India
Senior Software Engineer - Data Exchange & Observability Aug. 2021 - Present
 - **Document Extraction Orchestration:** I am currently working on an Orchestration Service to extract the Data from the documents (tax - w2, 109x, etc & non-tax - bills/receipt) by integrating with in-house/external machine learning and template-based models. Over 20+ document types are already on-boarded and will be used in upcoming US tax seasons.
 - **Kubernetes Logging Solution for Intuit:** I have developed a solution to ingest Cluster/Application logs from Kubernetes to Splunk (Log Destination). This solution is cost-efficient (up to 80%), reduces the latency by 75%, and increases the node throughput of a k8s cluster node by 6x compared to the older solution. This solution also takes care of log-routing and metadata customization.
 - **Cost Attribution for Logging:** I have built a cost attribution service to attribute the logging pipeline cost to over 5000+ services at Intuit.
 - **Intuit** Bangalore, India
Software Engineer 2 - Observability Feb. 2019 - Jul. 2021
 - **Security Logging Solution:** I have developed a micro-service to ingest and transform (route and filter) the AWS EC2 security logs across Intuit. This service has processed the data @ 15 GBps during peak.
 - **Migrating home-grown Tracing library to Opentracing:** I have developed, maintained, and migrated the home-grown distributed tracing library to Opentracing specification. Internal Customers can leverage the library to instrument their applications to Opentracing.
 - **Control Plane for the Logging Services:** I have developed a registry to onboard internal services for various logging-pipelines solutions.
 - **Intuit** Bangalore, India
Software Engineer 1 - Observability Aug. 2017 - Jan. 2019
 - **Distributed Transaction Logging Library - Java and NodeJs:** I have developed an Intuit-wide strategic project on distributed tracing library, which helps cover various web technologies such as - RestTemplate, RestEasy, Jersey, HttpClient, Jetty client, Jax-RS, Servlets, JMS, request, and node-fetch, etc.
 - **Self-service CLI:** I have developed a CLI application widely used across Intuit to onboard Services to Intuit Logging Framework. CLI made onboarding of services frictionless, reducing the onboarding time from 2 days to 30 seconds.
 - **Logging Troubleshooter:** I have developed a service that can help developers across Intuit to identify components causing the problems quickly.
 - **Intuit** 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. API enabled the incident engineers to automate their workflow.
 - **Vayavya Labs** Belgaum, India
Intern Summer 2015
 - **Automation of Error checking and parsing the input to DDGen:** Created a parser for error-checking the input to DDGen and automated the onboard 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

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- **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>

LANGUAGES AND TECHNOLOGY

AWS Cloud Services, Kubernetes, Java, Python, Opentracing, Spring, Microservices, Distributed Systems, Streaming

ACCOMPLISHMENTS

MVP Award (FY22 - Q3 & Q4), DevX Excellence Award (FY22 Q2), Intuit India Super Star(FY22 Q1), Star of the Quarter (FY20 Q4 & FY18 Q4), AWS Certified Developer Associate, International Rated Chess Player