

Siddharth Kulkarni

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EDUCATION

San Jose State University

Masters in Computer Software Engineering (GPA : 3.8/4.0)

San Jose, CA

Aug. 2024 – May 2026

Savitribai Phule Pune University

Bachelors in Computer Engineering (GPA : 3.8/4.0)

Pune, India

Aug. 2016 – May 2020

TECHNICAL SKILLS

Languages: Python, Java, Golang, C++, C#, R, Ruby , SQL (Postgres), JavaScript, HTML/CSS,

Databases: MySQL, MongoDB, DynamoDB, VectorDB

Frameworks: Flask, Django, SpringBoot, Quarkus, Kafka, JUnit Mockito, Pytets, Gradle, Maven, Pip, .NET

Cloud: AWS EKS, S3, EC2, SQS, CloudFormation, AWS Lambda, ECS

Technologies : Microservices, Kubernetes, Docker, Apache Kafka, Serverless, Container, Systemd

Data Science : Machine Learning, Computer Vision, Pytorch, TensorFlow, Keras

Developer Tools: Git, Unit Testing, Jira, CI/CD, Linux, OpenTelemetry, Prometheus, Grafana, Datadog

EXPERIENCE

Software Engineer

Dec 2022 – Aug 2024

LogicMonitor

Pune, India

- Engineered backend microservices in Java and Golang for a proprietary Cloud and Log Monitoring suite, facilitating the ingestion of over 10 TB of data daily and ensuring high availability across 5,000+ cloud devices.
- Enhanced data retrieval efficiency by 19% through the implementation of Redis-Cache and AWS Lambda, optimizing query distribution and reducing latency for real-time monitoring.
- Developed an OKTA log collector with AWS CloudFormation, replacing third-party monitoring solutions, saving \$20,000 annually, and authored APIs to improve system observability across IaaS, PaaS, and SaaS environments.

Associate Software Engineer

Oct 2020 – Dec 2022

LogicMonitor

Pune, India

- Collaborated on Java-based monitoring agent for 10,000+ infrastructure components, reducing system errors by 25% and boosting log ingestion speed by 30% using serverless computing and IaC on AWS, GCP, and Azure.
- Led the development of the "Logsource" feature and proprietary Python/Java SDKs, improving infrastructure observability by 40% for 100+ clients, and increasing customer satisfaction by 15%.
- Streamlined Kubernetes monitoring deployments with Helm, reducing deployment time by 20% across 100+ client clusters, and authored open-source Ruby plugins for Fluentd and Logstash with over 100K downloads for improved data ingestion.

Web Development Intern

Feb 2018 – April 2018

Autointell Services

Pune, India

- Created website, from scratch, which facilitated IOT amateurs with the company with a team of 3 web-developers.
- Integrated Python backend with AWS DynamoDB as a NoSQL database and shipped a video upload feature using boto3 and AWS S3 for object storage.

PROJECTS

Content-Based Image Retrieval | Python, Flask, TensorFlow , Keras , Computer Vision

2020

- Pioneered a Convolutional Neural Network classifier with 93% accuracy using the Caltech-256 dataset and implemented a similarity search with TensorFlow, Keras, and VGG16 for improved retrieval precision.
- Built a Flask-based web application that allows users to input images and receive relevant results, including similar images and associated weblinks, improving user interaction and search accuracy.

Online Voting System for College Election | PHP, MySQL, CSS, Twilio, Load Balancing, HAProxy

2018

- Formulated a high-availability voting portal for college elections, enabling seamless and secure voting for over 9,000 concurrent users across just 4 server nodes.
- Crafted the backend using PHP and MySQL, with Haproxy as a load balancer, optimizing system performance and ensuring reliable service during peak usage.
- Implemented OTP-based voter authentication, enhancing security and ensuring the integrity of the election process, validated through extensive load testing with Apache JMeter.