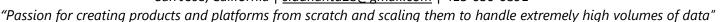
SIDDHANT DESHMUKH

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Education

Master of Science in Computer Science University of Florida, Gainesville, Florida, USA Aug 2015-Dec 2016

4.0/4.0 GPA

M in C

Experience

VMWARE - Senior Member of Technical Staff - Platform Team - Palo Alto, California

June 2021-Present

- Owned and maintained **30+ services** as part of the Uhana Data ingestion and distribution engine which is around **50% of the Uhana platform**.
- Designed and implemented the TCP Distributor services used in nationwide production. Successfully filed for a patent as the primary owner. Major reason for biggest customer contract renewal.
- Instrumental in moving the <u>Uhana</u> platform from Mesos/Marathon to Kubernetes/Helm.
- Setup logging framework using Elasticsearch, Logstash, Kibana and Filebeat for the Uhana platform.
- Designed and implemented zero downtime upgrade and high availability for Uhana ingestion platform.
- Key work on build/deployment/devops and resolved multiple customer production issues.

VMWARE - Member of Technical Staff 3 - Uhana Platform Team - Palo Alto, California

Aug 2019-June 2021

• Enhance the <u>uhana</u> real-time streaming platform. Owner of data ingestion and distribution engine.

INFORMATICA - Software Engineer - Cloud Platform Team - Redwood City, California

Feb 2017-Aug 2019

- Enhanced the <u>Informatica Cloud Platform</u> by creating and enhancing micro-services
- Owner of V3API (Informatica Cloud latest <u>public APIs</u>) and PC2Cloud (migrate customers to cloud)
- High impact client-side agent changes to support enabling and disabling applications deployed.

INFORMATICA - Software Development Intern - Cloud Platform Team - Redwood City, California

May-Aug 2016

Enhanced Informatica Cloud API by adding features such as partial update of resources (Java, MySQL)

Skills

Programming - Java, Python, GoLang, JavaScript, C++, Scala, R, NodeJS, Angular, Express, Ruby, HTML, CSS **Database - Cassandra**, **Oracle SQL**, **MySQL**, MongoDB, Postgresql

Tools & Frameworks – Kubernetes, Docker, Bazel, Spring, REST APIs, Git, Kafka, Chef, Perforce, HAProxy,
Jenkins, Marathon, Mesos, Network Security, Google Protobuf, Prometheus, Grafana, Flink

Projects

CRIC PLATFORM – Data pipeline for network operations data processing, storage and distribution

Aug 2019-Present

• Currently creating the CRIC platform from scratch (Java, GoLang, Kafka, Cassandra)

TCP DISTRIBUTOR - Critical services to distribute large scale network telemetry data to multiple clients

Aug 2019-Present

Filter, Process and distribute data from cell towers to multiple clients in real-time at 10 million events/s.

ELK LOGGING FRAMEWORK – Setup logging framework for Uhana Platform at scale

Aug 2019-Present

• Used Elasticsearch, Filebeat, Logstash and Kibana to setup logging at a nationwide scale

PC2CLOUD SERVICE - Service to convert customer on-premise metadata to cloud

Feb 2017-Aug 2019

- Designed and developed this critical service to help customers move to Informatica Cloud (Java)
- As service owner, handled all aspects such as production, customer and deployment related issues
- Hosted a booth at Informatica World to meet and educate customers using this product

V3-API SERVICE - <u>Informatica public APIs</u> accessible to customers

Feb 2017-Present

• As service owner, played a part in designing and developing latest Informatica public APIs (Java)

AKAMAI CDN WITH FALLBACK - Integrated the Informatica Cloud UI with Akamai CDN

Jan-May 2018

• Enhanced Informatica UI to use CDN for static resources and fallback to local on failure (JavaScript)

Research

MOBILE MONEY MONITORING MACHINE - Research Project in Network Security Lab

Aug-Dec 2016

Automate security analysis for mobile money applications (Android, Python, MongoDB)

RESEARCH PAPER - Efficient and Secure Template Blinding for Biometric Authentication

Jan-Aug 2016

• Developed blinding protocols that provide template protection to database. IEEE CNS Research Paper