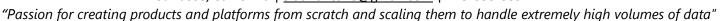
#### SIDDHANT DESHMUKH

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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**

AMAZON WEB SERVICES (AWS) - Senior Software Engineer (L6) - OpenSearch - Palo Alto, California

Sept 2022-Present

- Maintaining and enhancing AWS OpenSearch (Elasticsearch) Service with global scale
- Lead the In-place update effort to update customer domains without B/G upgrade and deployed globally

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

Aug 2019-Sept 2022

- Owned services that ingest 10 million eps and distribute 25 million eps spanning multiple continents
- Owned and maintained 30+ services as part of the <u>Uhana</u> Data ingestion and distribution engine
- Designed and implemented the TCP Distributor services spanning multiple continents. <u>Patent</u>
- Currently creating the <u>CRIC platform</u> from scratch and involved in multiple massive customer trials
- Instrumental in moving the <u>Uhana</u> platform from Mesos/Marathon to **Kubernetes/Helm**
- Setup logging framework using ELK and Filebeat for the Uhana platform spanning multiple continents
- Designed and implemented **zero downtime upgrade** and **high availability** for Uhana ingestion platform

UHANA (Acquired by VMWARE) - Senior Software Engineer - Palo Alto, California INFORMATICA - Software Engineer - Cloud Platform Team - Redwood City, California

Aug 2019

Feb 2017-Jul 2019

- Enhanced the Informatica Cloud Platform by creating and enhancing micro-services
- Owner of V3API (Informatica Cloud latest <u>public APIs</u>) and PC2Cloud (migrate customers to cloud)

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, Rust

Database - Cassandra, Oracle SQL, MySQL, Elasticsearch, MongoDB, Postgresql, Redis, Opensearch, DynamoDB

Tools & Frameworks - Kubernetes, Docker, Bazel, Spring, REST APIs, Git, Kafka, Aws, Flink, HDFS, Hadoop, Spark, Storm, Hive,

Jenkins, Marathon, Mesos, Network Security, Protobuf, Prometheus, Grafana, HAProxy

# **Projects**

UHANA PLATFORM - Al-based analytics platform to improve customer experience on 4g & 5g networks	Aug 2019-Present
<ul> <li>Ingest data at 10 million eps and distribute at 25 million eps (Java, Python, Kafka, Cassandra)</li> </ul>	
CRIC PLATFORM - Data pipeline for network operations data processing, storage and distribution	Aug 2019-Present
<ul> <li>Currently creating the <u>CRIC platform</u> from scratch (Java, GoLang, Kafka, Cassandra)</li> </ul>	
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 25 million eps	
ELK LOGGING FRAMEWORK – Setup logging framework for Uhana Platform on multiple continents	Aug 2019-Present
<ul> <li>Used Elasticsearch, Filebeat, Logstash and Kibana to setup logging spanning multiple continents</li> </ul>	
PC2CLOUD SERVICE – Critical service to convert customer on-premise metadata to cloud	Feb 2017-Aug 2019
<ul> <li>As service owner, handled all aspects such as production, customer and deployment related issues</li> </ul>	
V3-API SERVICE - Informatica public APIs accessible to customers	Feb 2017-Present
<ul> <li>As service owner, played a part in designing and developing latest Informatica public APIs (Java)</li> </ul>	
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