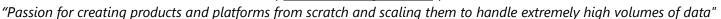
SIDDHANT DESHMUKH

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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
- Leading multi-team observability project Query Insights to improve search visibility and performance
- 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>
- Created the CRIC platform 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 - AI-based analytics platform to improve customer experience on 4g & 5g networks	Aug 2019-Present
 Ingest data at 10 million eps and distribute at 25 million eps (Java, Python, Kafka, Cassandra) 	
CRIC PLATFORM - Data pipeline for network operations data processing, storage and distribution	Aug 2019-Present
 Currently creating the <u>CRIC platform</u> 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 25 million eps 	;
ELK LOGGING FRAMEWORK – Setup logging framework for Uhana Platform on multiple continents	Aug 2019-Present
 Used Elasticsearch, Filebeat, Logstash and Kibana to setup logging spanning multiple continents 	
PC2CLOUD SERVICE – Critical service to convert customer on-premise metadata to cloud	Feb 2017-Aug 2019
 As service owner, handled all aspects such as production, customer and deployment related issues 	5
V3-API SERVICE - Informatica public APIs 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

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

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