

SIDDHANT DESHMUKH

3014 Capewood Ln, San Jose, CA-95132 | 415-630-0891

Education

Master of Science in Computer Science

University of Florida, Gainesville, Florida, USA

Aug 2015-Dec 2016

4.0/4.0 GPA

Experience

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

June 2021-Present

- 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**.
- Owned and maintained **30+ services** as part of the Uhana Data ingestion and distribution engine Which is around **50% of the Uhana platform**.
- Instrumental in moving the [Uhana](#) platform from Mesos/Marathon to **Kubernetes/Helm**.
- Setup logging infra** using Elasticsearch, Logstash, Kibana and Filebeat for the Uhana 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 [uhana](#) 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 [Informatica Cloud Platform](#) by creating and enhancing micro-services
- Owner of V3API (Informatica Cloud latest [public APIs](#)) and PC2Cloud (service to help customers migrate from legacy PowerCenter to Informatica Cloud) micro-services
- 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, JavaScript, GoLang, C++, Scala, R, NodeJS, 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 pmcounter data processing, storage and distribution

Aug 2019-Present

- Created the CRIC platform from scratch (Java, GoLang, Kafka, Cassandra)

TCP DISTRIBUTOR - 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.

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 - [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

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

SECURE FACEBOOK REST API - Implemented [API and client simulator](#).

Oct-Dec 2015

- Implemented core features of Facebook API and added modern cryptographic methods (AES-256, RSA)

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](#)