

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

Bachelor of Technology in Computer Engineering

MPSTME, NMIMS University, Mumbai, India

Aug 2011-May 2015

3.36/4.0

Experience

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

Feb 2017-Present

- 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
- Enhanced client-side agent to support enabling and disabling applications deployed. Made high impact full stack changes as part of this feature (Java, Spring, MySQL, HTML, JavaScript)

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
- Modified and added numerous end-points to the Cloud API (Java, Spring, MySQL)

NETCORE SOLUTIONS - Software Developer Intern - Mumbai, India

May-Jul 2014

- Acquired, cleaned and analyzed data for a marketing campaign, Mobilevaani (Python, Web)

Skills

Programming - Java, MySQL, Python, JavaScript, C++, Scala, R, MongoDB, NodeJS, HTML, CSS, Ruby, Network Security

Tools & Frameworks - Spring, REST APIs, Docker, Kubernetes, Chef, Perforce, Git, HAProxy, AppDynamics, Sumo Logic, Kafka, Jenkins, Atlassian (Jira and Confluence)

Projects

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

Feb 2017-Present

- 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
- Educated a team in India about the product who help with its enhancement and maintenance

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)
- Added various endpoints such as authorization/authentication, licenses and privileges

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)
- Developed client simulator based on Facebook user behavioral studies (Scala, Akka Actors, Spray Can)

FINANCIAL DATA ANALYSIS - Nanex Data Exploration and [Parsing of Sec filings](#)

Aug-Dec 2015

- Used state of the art supercomputer (Grokit) to explore Nanex financial data (R and python)
- Cleaned raw Sec Filings, computed moving average and abnormal return for 3 billion tuples

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 (C++)
- Research Paper accepted in IEEE CNS SPC 2016, Philadelphia, PA, USA [\(link\)](#)