Siddhant Deshmukh

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Education

Master of Science in Computer Science	**Aug 2015-Dec 2016**
University of Florida, Gainesville, Florida, USA	**4.0/4.0**
Bachelor of Technology in Computer Engineering	**Aug 2011-May 2015**
MPSTME, NMIMS University, Mumbai, India	**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)