

MD ABU NASER BIKAS

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Education

- University of Illinois, Chicago** December 2016
Masters in Computer Science, GPA: 3.55/4.00
- ShahJalal University of Science & Technology (SUST), Bangladesh** August 2013
Masters in Computer Science and Engineering, GPA: 3.97/4.00
- ShahJalal University of Science & Technology, Bangladesh** August 2008
Bachelors in Computer Science and Engineering, GPA: 3.84/4.00, Position: 2nd out of 120 students.

Work Experience

- Software Engineer, Intern** **GoDaddy, Tempe, AZ** Summer 2016
- Implemented an end-to-end system to locate faulty hardware components by analyzing live sensor data.
 - Refactored data center automation specific ETL jobs. Python, Spark, Hive, Tableau.
- Graduate Research Assistant** **University of Illinois, Chicago** Fall 2014 – Spring 2016
- Built a framework to generate workloads for any cloud-based applications to find those cases when over-provisioning and SLA violations occur simultaneously for a given auto-scaling rule. Evolutionary algorithms, Java, MS Azure.
- Software Engineer, Intern** **ARRIS, Lisle, IL** Summer 2014
- Written map-reduce jobs (e.g., # of recordings, trends over time) to obtain meaningful analytics from huge volume of (un) structured recording data collected from various sources. Scala, Hadoop.
 - Worked on an android client that periodically posts different events to Spring-XD servers. Java.
- Graduate Teaching Assistant** **University of Illinois, Chicago** Fall 2013 – Spring 2014
- Courses: C/C++ Programming for Engineers with Matlab, Object Oriented Languages and Environments.
 - Graded quizzes and exams; helped with preparing lab materials.
- Software Engineer** **SDSL, Bangladesh** August 2008 – March 2010
- Lead programmer on a navigator application for Blackberry mobiles that supported real-time navigation. Java.
 - Implemented a desktop-based chatting software like gtalk. C++, Qt.

Selected Projects

- Admission System for National University of Bangladesh (Java, PHP, MySQL, Rackspace Cloud):**
- Core designed and developer of an online admission system (2011-2012) for world's 5th largest university that dealt with 322 colleges and approximately 380,000 students.
- Improve Cloud Elasticity property (Java, Python, CloudStack):**
- Contributed greatly on a project that can learn behavioral models of software apps during performance testing.
 - Synthesize provisioning strategies that guide the cloud to allocate resources based on application's demand.
- Registration System (Java, PHP, MySQL):**
- Core developer of a mobile SMS based registration system (2010) for university admission test at SUST, which was a novel invention at that time. Nine public universities in Bangladesh still use this system for their admission test.

Languages and Technologies

- Java, C, C++, Python, Objective-C, Smalltalk, C#, PHP, HTML, JavaScript, Matlab, MySQL, Spark, Hive.
- Hadoop, Microsoft Azure, CloudStack, Tableau, TCP/IP Protocol Suite.

Awards and Honors

- Best Team of the Month Award, Four times, as a Software Engineer at SDSL, Bangladesh.
- University Scholarship, 1-8 Semester based on CGPA, ShahJalal Uni. of Sci. & Tech., Bangladesh.
- 7th Place Award, ACM-ICPC International Collegiate Programming Contest, Asia Regional, Dhaka Site, 2007.
- 3rd Place Award, Inter-University Programming Contest, ShahJalal Uni. of Sci. & Tech., Bangladesh, 2006.

Additional Experience

- Assistant Professor, SUST, Mar'10–Aug'13: Taught undergraduate level courses; supervised 30+ undergrad students.
- Authored 17 academic papers; Citations: 330+; <http://scholar.google.com/citations?hl=en&user=TeQkl-UAAAAJ>
- Local Organization Chair, IEEE Int'l Conference on Software Testing, Verification and Validation (ICST 2016).
- Developed 30+ Blackberry apps as a freelance programmer; 950+ posts in Blackberry Java Development forum.