

Amit Seal Ami

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- CURRENTLY** Lecturer, Institute of Information Technology, University of Dhaka since 2014
- EDUCATION** *Master of Science* in Software Engineering 2013-2014
Institute of Information Technology, University of Dhaka
3.96/4.0, July 2014
Bachelor of Information Technology, 2009-2012
Major in Software Engineering
Institute of Information Technology, University of Dhaka
3.93/4.0, Dec 2012.
- EXPERIENCES** *Software Engineer* 2014
IMS Dhaka (M&H Informatics (BD) Ltd.)
- Front-end developer, maintained Business Intelligence related web applications such as Pricing Insights, Pierre Fabre, GSK-Prion, Stada and Supplementary Pricing Information (SPI), mainly using .NET stack
 - Lead team to Finals at Code Warriors' Challenge 2014 in .NET track
 - Conducted training sessions on TypeScript
- Microsoft Student Partner* 2011-2013
Microsoft (Bangladesh)
- Windows 8 Professor, taught Windows 8 app development at University of Dhaka and North South University for Microsoft App-a-thon 1 and 2 respectively
 - Microsoft Imagine Cup Boot Camp speaker at Bangladesh University of Engineering and Technology, and Jahangirnagar University
 - Shared experiences related to new Microsoft technologies with students
- Intern IT Consultant* 2011
Southtech Limited, SCALED Department, Dhaka, Bangladesh
- Worked as Intern IT consultant for 6 months, was ranked as very good employee
 - Developed prototype of SCALED web application
 - Documented CMMI-3 compliant software engineering documents
- PUBLICATIONS** *MobileSoft 2018*: Amit Seal Ami, Md. Mehedi Hasan, Rayhanur Rahman, and Kazi Sakib; "MobiCoMonkey - Context Testing of Android Apps", 5th IEE/ACM International Conference on Mobile Software Engineering and System (MobileSoft 2018), co-hosted with ICSE 2018, Gothenburg, Sweden.
IJCA 2018: Md. Shafiuzzaman, Amit Seal Ami and Rayhanur Rahman; "A Proactive Self-Adaptive Framework for Context-Aware Mobile Applications"; International Journal of Computer Applications 180(20):1-8
IJCA 2017: Rayhanur Rahman, Amit Seal Ami, Kazi Sakib; "MobileMonkey - A Contextual Stress Testing Framework for Android Application", International Journal of Computer Applications
JS 2017: Kamrun Nahar Neela, Syed Ali Asif, Amit Seal Ami, Alim Ul Gias; "Modeling Software Defects as Anomalies: A Case Study on Promise Repository", Journal of Software
CDUD 2016: Abdus Satter, Amit Seal Ami, Kazi Sakib; A Static Code Search Technique to Identify Dead Fields by Analyzing Usage of Setup Fields and Field Dependency in Test Code; The 3rd International Workshop on Concept Discovery in Unstructured Data 2016
WIECON-ECE 2015: Mandal, P.; and Ami, A. S, "Selecting best attributes

for software defect prediction”

IJIEEB 2015: A. Seal, S. Islam, “A Content Assist based Approach for Providing Rationale of Method Change for Object Oriented Programming (In press)”

ICIEV 2014: A. Seal, S. Islam, “An Efficient Approach for Providing Rationale of Method Change for Object Oriented Programming”

ICCIT 2013: A. Gias, A. Seal, M. Tabassum, A. Imran, M. Ibrahim, R. Rahman and K. Sakib, “A Formal Approach to Verify Software Scalability Requirements using Set Theory and Hoare Triple”

ICCIT 2013: A. Imran, A. Gias, R. Rahman, A. Seal, T. Rahman, F. Ishraque and K. Sakib, “Cloud-Niagara: A High Availability and Low Overhead Fault Tolerance Middleware for the Cloud”

PROJECTS/ GRANTS

Campus e-Presence at the University of Dhaka - World Bank BDREN Fund ongoing
This subproject ensures electronic presence of every member of DU through surveillance and access control with the state of the art technology. I am a member of the five people team.

University Grants Commission (UGC) Fund 2016
Identification of Dead Field and Field Dependency in Test Code, with Abdus Satter. The project was concluded in 2017

Mobile Application Testing Lab - ICT Innovation Fund 2015
We targeted primarily Android app developers and created MobiCoMonkey, previously known as MobileMonkey. The project concluded satisfactorily in 2017. Other members are Dr. Kazi Sakib and Md. Rayhanur Rahman.

ICT Fellowship 2013
Received fellowship from ICT division, Bangladesh for my work supervised by Dr. Md. Shariful Islam. We focused on providing rationale of method change for object oriented programming to developer for codes stored in distributed version control system. This was successfully accepted in 2014.

SOFTWARE/ APPS

Brightness Controller: Linux application to control brightness of primary and secondary display, available in Ubuntu Software Center, Github

IIS Express Manager: Windows application to control IIS Express Server, available in CodePlex

DSEdroid: Android application to display Dhaka Stock Exchange infographics.

AWARDS

Microsoft Imagine Cup Bangladesh - Drik ICT Innovative Idea Award Winner 2012

- Made the only Windows 8 Application which consumes WCF service
- Collaborated with team to develop silverlight based website front-end

BASIS Code Warriors' Challenge - Top 4 2012

- Led team in .NET Track software development competition
- WCF routing, server-side performance optimization and good coding skills were marking metrics. Took responsibility of WCF Routing and good coding.

Norton-PriyoTech Security Article Writing Competition - Winner 2012

- Article on security was considered one of the best in entire nation
- Was related to enhancing security of data in everyday life

BUET System Design and Development Contest - Runner Up 2011

- Collaborated with team for requirement engineering and version control
- Collaborated with team to develop database schema and front-end

Citi Financial IT Competition - Finalist 2010

- Developed the prototype web application

EXTRA-CURRICULAR ACTIVITIES

Youth Delegate, Visit of 100 Members Youth Delegation to India 2013

Was invited by Indian Ministry of Youth Affairs and Sports

- Represented University of Dhaka and Bangladesh
- Exchanged cultural knowledge
- Discussed about the development of Indian IT sector and Bangladesh's current progress

Event Organizer, IIT, University of Dhaka 2012-2013

Assigned by the Director of IIT, University of Dhaka, organized the following events:

- Mozilla Awareness Campaign
- UX Saturday with Wahid
- Google Trivia Event

Community Tester 2008-2013

- Tested and reported bugs in MessagEase, a smart phone typing layout with fastest typing record
- As second fastest texter in MessagEase, suggested features to improve overall performance
- As Nokia Pilot, tested for bugs and suggested features for Nokia symbian applications
- Represented Bangladeshi users in meeting with Mig33 staffs including Co-Founder Steven Goh

REFERENCES

Dr. Md. Shariful Islam
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Dr. B. M. Mainul Hossain
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Shah Mostafa Khaled
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