









Khan 'Sadh' Mostafa

Software Engineer at Google
MS in CS from Stony Brook / B.Sc. in CSE from KUET
8 years in industry

Experience

- **Google LLC**  Mountain View, California
Software Engineer Mar 2019 ~ present
 - Making your home smarter
- **Teledata Communications, Inc.**  Islandia, NY
Software Engineer Feb 2015 ~ Mar 2019
 - Built new version of TCI's Loan Origination SaaS- *Decision Lender 4x*
 - Designed, coded and implemented business logic, data models and user interfaces based on generic and client specific requirements for developing a RESTful SaaS, catering to various lenders. This included building core platform, vehicle valuation services, configurable report generation framework, various 3rd party integration etc.

Java 8 Angular JS REST MS SQL
- **Research Foundation for SUNY**  CEWIT, Stony Brook, NY
Sr. Research Aide Summer & Fall of 2014
 - Worked for CA Technologies at CEWIT as on campus internship during MS

Java
- **Samsung R&D Institute – Bangladesh**  Dhaka, Bangladesh
Sr. Software Engineer Feb ~ Aug 2013
Software Engineer Jun 2010 ~ Feb 2013
 - Designed a host – target interaction protocol and developed control module with GUI for FPGA and post-silicon SoC (System on Chip) verification platform

C# WPF C
 - Developed modules of a camera SoC verification tool based on μ C/OS-II



C
 - As part of DSP project ported μ C/OS-II for custom BSP, ported Web-P for Samsung's Reconfigurable Processor, developed image codec

C C++
 - Developed localized feature phone system software for target markets

C
 - Developed smart phone apps for Samsung's bada platform



C++


Education

- **Stony Brook University**  Stony Brook, NY
MS – Computer Science (CGPA:3.72/4) Aug 2013 ~ Dec 2014
 - Key Courses: Database, Data Mining, Computer Graphics, Analysis of Algorithms, Operating Systems, Brain and Memory Modeling, Artificial Intelligence, Logic in CS
 - Designed tool for opinion mining which leverages entity-keyword bi-graph built from analyzing social network feed


C#
 - Implemented a procedural watercolor engine to recreate real-time watercolor effects

C++ OpenGL
 - Added XML parser for BOSS (brain model simulation tool) INIT module to feed brain model parameters as XML input

C++
- **Khulna University of Engineering & Technology**  Bangladesh
B.Sc. (Engineering) – Computer Science Jan 2006 ~ Jun 2010
 - Thesis: “RDF by Structured Reference to Semantics – An approach to emerge Semantic Web”: Developed a framework (RS2-fx) to convert current html web documents into Semantic Web RDF documents by extracting underlying semantics backed by support of an existing ontology (<http://slidesha.re/RS2fx1>)
 - Developed an automated traffic jam recognition and alert tool, Traffic Window, aided with image processing


C#
 - Developed a Smart home technology, which includes a centrally controlled local system of devices and sensors that actuates smartly upon perceptions. The control unit interfaces with local GUI as well as internet and cellular networks 

Java ASM Microcontroller

 Mountain View, California

 <https://nafSadh.com>

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 name at website

Languages:

Java

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C

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C++

Familiar with:

Python

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SQL

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JavaScript

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Angular JS

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C#

 etc.

Talked on “Research in the Computing Industry” at CSE Festival, KUET (Jun 2012)

Awarded “Icon of the Month” by Samsung R&D Institute – Bangladesh

11th place on ACM ICPC Dhaka Regional programming contest 2007

Showcased project “Smart Home Technology” at BASIS SoftExpo, Dhaka 2008

Leadership
IEEE Student Branch KUET General Secretary, (2008-2009)
Fazlul Haque Hall Committee, KUET - General Secretary (2008-2009) & Asst. Gen. Secretary (2007-2008)

Involvement
Publisher, *lekhalikhi.com* - Bengali Literary Community

Keyboard Layout
Developed 'Sonnivo' for Bengali

Personal Projects
Liby.cat, TuneTour.me, WaqtScope, LikhonPad, NLParse and more
nafSadh.dev

 <https://github.com/nafSadh>

 <https://linkedin.com/in/nafsadh>

 https://ins.nafSadh.com

Updated on Mar 25, 2019
available online: <http://re.sadh.me>
Contact for further information