

Md Abu Obaida

Software Developer, Yu Bioinformatics Lab, Texas A&M University

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Objective

To pursue a challenging career in software, web programming, wireless network or computer networking

Summary

Over 5 Years of progressive experience in Object Oriented Programming with experience in the full life cycle of the software development process including requirement gathering, design, development, testing, implementation and maintenance.

Education

May-2015

Master of Engineering in Computer Engineering (ECEN)

Texas A & M University, College Station, TX, CGPA 3.677 out of 4

Jan-2008

Bachelor of Science in Electrical & Electronic Engineering (EEE)

Bangladesh University of Engineering and Technology (BUET), CGPA 3.46 out of 4

Computer Skills:

Technologies: Expert in Java, PHP, SQL, HTML, CSS, Bootstrap. Proficient in C/C++, VBA, XML. Prior Experience in JAVA Script, JQuery, AJAX, Servlets, JSP, REST web services, Hibernate, JDBC. Working knowledge in Linux, Python, MATLAB, LISP, Verilog, Design patterns, JSON and Adobe Photoshop

Database: MySQL, SQL Server 2008

CMS: WordPress

Frameworks: CodeIgniter, Flask

IDE / Programming Tools: Netbeans 7, Eclipse 2.1/3.7, Microsoft Visual Studio and Dreamweaver

Operating System: Linux, Windows XP/7/8

Version Control: GitHub, Bitbucket

Advance knowledge of Microsoft Excel.

Professional Experience

May-2015 - Current

Software Developer, Yu Bioinformatics Lab, Texas A&M University, College Station, TX, USA

Developing relational database and web interface for manually curated metadata of RNA sequence.

Involved in designing and developing the back-end using **Flask framework** of **Python**.

Developing the application using **Agile Methodology**.

<i>Jan-2014 - May-2014</i>	<p>Applying BitBucket for source control</p> <p>Teaching Assistant, Texas A&M University, College Station, TX, USA</p> <p>Taught lab for wireless communication, upgraded lab materials.</p> <p>Designed, developed and maintained web site for the class project using WordPress, PHP and MySQL.</p>
<i>Oct-2010 - Jul-2013</i>	<p>Optimization Engineer, Huawei Bangladesh and Huawei Indonesia</p> <p>Designed and developed Java application to maintain and analyze large scale network data.</p> <p>Implemented Database access through JDBC with MySQL.</p> <p>Developed GUI using Swing.</p> <p>Designed the application using Agile Methodology. Used GitHub for source control.</p> <p>Designed and developed web based application using PHP and MySQL to monitor the performance of the newly swapped base stations and generate benchmark report automatically. Application was developed based on MVC architecture of CodeIgniter framework.</p> <p>Front end applications were developed applying HTML5, CSS3, JAVA Script, JQuery, Bootstrap, AJAX, Google charts.</p> <p>Developed Visual Basic application to map Ericsson radio network parameters to Huawei parameters.</p>
<i>Jan-2008 - Oct-2010</i>	<p>Assisted Huawei R&D team to develop an integrated tool for a large project in Indonesia.</p> <p>Services Engineer, Ericsson Bangladesh and Ericsson Vietnam.</p> <p>Designed and developed web application to analyze network data based on MVC architecture using CodeIgniter framework of PHP.</p> <p>Developed Client side UI using JavaScript, JQuery, HTML, CSS, AJAX.</p> <p>Wrote SQL queries to MySQL database</p> <p>Developed Visual Basic application in Microsoft Excel to automate data analysis and report generation.</p> <p>Designed and developed database application using SQL and Microsoft Access.</p> <p>Analyzed different telecom operator networks data to achieve business for Ericsson.</p>

Project Works (Texas A&M University)

<i>2014</i>	Developed an interactive static analysis tool as an Eclipse plug-in for detecting data races in Java concurrent program . Investigated Eclipse Plug-in development, platform architecture and extension points .
<i>2014</i>	Developed a static analysis tool as an Eclipse plug-in to detect sensitive data exposure in Java servlet .
<i>2014</i>	Designed and implemented Personal Task Management system using Java and MySQL . Designed the relational schema based on E/R diagram , used BCNF, MVD, 4NF to reduce redundancy. UI was developed using Swing , database was connected through JDBC .
<i>2013</i>	Designed and implemented Twitter fake user detection algorithm and implemented in Java . Used REST APIs of Twitter to collect user data.

Project Works (Personal)

<i>2012-Current</i>	Performing as a freelance Software Developer in Upwork (formerly ODesk) with rating 4.6 out of 5.
<i>2009-Current</i>	<p>Designed and developed several commercial websites using WordPress. Some noteworthy examples of my work include</p> <p>http://www.dynamicsolutionsbd.com</p> <p>http://whitecanvassoft.com/</p> <p>http://www.buet.ac.bd/che/</p> <p>http://plumber.whitecanvassoft.com/</p>

<i>2009-Current</i>	Developed several WordPress theme and plug-in. Investigated Facebook , Twitter and Linkedin API.
<i>2013</i>	Developed e-commerce sites based on Woocommerce , an e-commerce plug-in of Word-Press .
<i>2009</i>	Conceptualized the idea of on-line student community for sharing ideas and study materials. Designed and implemented the student networking site http://www.lal-shobuj.com on MVC structure of CodeIgniter .

Awards/ Activities:

<i>2013-Present</i>	Active member, Texas A & M Computer Society (TACS)
<i>2012</i>	Achieved certification from Huawei Bangladesh for outstanding performance.
<i>2003-2008</i>	Received general scholarship and tuition waiver in undergraduate, Bangladesh Board of Intermediate and Secondary Education, Dhaka
<i>2003-2013</i>	Acted as an active member, BADHON, a voluntary blood donation organization in Bangladesh
<i>1996-2000</i>	Boy Scouts of Bangladesh

Work Authorization:

Authorized to work in U.S. for 29 months starting from Jul-10, 2015 through the Optional Practical Training (OPT) program.

References

References available upon request.