Md Abu Obaida

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Objective

To pursue a challenging career in software development

Summary

Over 6 years of progressive 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 Python, Django, SQL, HTML, CSS, Bootstrap. Proficient in Java, PHP, XML, Linux. Prior Experience in C/C++, VBA, JAVA Script, JQuery, AJAX, Servlets, JSP, REST web services, Hibernate, JDBC. Working knowledge in MATLAB, LISP, Verilog, Design patterns, JSON and Adobe Photoshop
Database: MySQL, PostgreSQL, SQL Server 2008
CMS: WordPress
Frameworks: Django, CodeIgniter, Flask
IDE / Programming Tools: PyCharm, Netbeans 7, Eclipse 2.1/3.7, Microsoft Visual Studio
Operating Sytem: Ubuntu, Windows XP/7/8
Version Control: GitHub, Bitbucket, Subversion
Agile Tool: JIRA
Advance knowledge of Microsoft Excel.

Professional Experience

Nov-2015 - Current	**Software Developer/Analyst, Technology Resources, The University of Texas at Austin** Web application development using **Python/Django** Write unit test using unit test framework of Django Write functional test using **Selenium** RESTFul API development using **MuleSoft** Write SOAP API call using Suds web services client and Python

Technology Used: Python, Django, Vagrant, Selenium, Redhat, SVN, JQuery, Agile, JIRA, SOAP, RESTFul, Mulesoft

May-2015 - Nov-2015	**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.** Applying **BitBucket** for source control
Jan-2014 - May-2014	**Teaching Assistant, Texas A&M University, College Station, TX, USA** Taught lab for wireless communication, upgraded lab materials. Designed, developed and maintained web site for the class project using **WordPress, PHP and MySQL.**
Oct-2010 - Jul-2013	**Optimization Engineer, Huawei Bangladesh and Huawei Indonesia** Designed and developed **Java** application to maintain and analyze large scale network data. Implemented Database access through **JDBC** with **MySQL.** Developed **GUI** using **Swing**. Designed the application using **Agile Methodology.** Used **GitHub** for source control. 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. Front end applications were developed applying **HTML5, CSS3, JAVA Script, JQuery, Bootstrap, AJAX, Google charts**. Developed **Visual Basic** application to map Ericsson radio network parameters to Huawei parameters. Assisted Huawei R&D team to develop an integrated tool for a large project in Indonesia.
Jan-2008 - Oct-2010	**Services Engineer, Ericsson Bangladesh and Ericsson Vietnam.** Designed and developed web application to analyze network data based on **MVC** architecture using **CodeIgniter** framework of **PHP.** Developed Client side **UI** using **JavaScript, JQuery, HTML, CSS, AJAX.** Wrote **SQL** queries to **MySQL** database Developed **Visual Basic** application in **Microsoft Excel** to automate data analysis and report generation. Designed and developed database application using **SQL** and **Microsoft Access.** Analyzed different telecom operator networks data to achieve business for Ericsson.

Publication

Aug-2015	RNASeqMetaDB: a database and web server for navigating metadata of publicly available mouse RNA-Seq datasets. Bioinformatics (2015) /Oxford University Press.https://academic.oup.com/bioinformatics/article/31/24/4038/197902/RNASeqMetaDB-a-database-and-web-server-for

Project Works (Texas A&M University)

2014	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.**
2014	Developed a static analysis tool as an **Eclipse plug-in** to detect sensitive data exposure in **Java servlet**.
2014	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**.
2013	Designed and implemented **Twitter** fake user detection algorithm and implemented in **Java.** Used **REST APIs** of Twitter to collect user data.

Project Works (Personal)

2009-Current	Designed and developed several commercial web application**.** Some noteworthy examples of my work include http://www.mystudynotebook.com http://www.parmeeda.com http://www.dynamicsolutionsbd.com http://whitecanvassoft.com/ http://www.buet.ac.bd/che/ http://plumber.whitecanvassoft.com/
2009-Current	Developed several **WordPress** theme and plug-in. Investigated **Facebook**, **Twitter** and **Linkedin** API.
2009	Conceptualized the idea of on-line student community for sharing ideas and study materials. Designed and implemented the student networkin on **MVC** structure of **CodeIgniter.**

Awards/ Activities:

2016-Present	Active member, Austin Web Python User Group, The Austin Python Meetup
2013-Present	Active member, Texas A & M Computer Society (TACS)
2012	Achieved certification from Huawei Bangladesh for outstanding performance.
2003-2008	Received general scholarship and tuition waiver in undergraduate, Bangladesh Board of Intermediate and Secondary Education, Dhaka
2003-2013	Acted as an active member, BADHON, a voluntary blood donation organization in Bangladesh
1996-2000	Boy Scouts of Bangladesh

Work Authorization:

	Authorized to work in U.S. for 36 months starting from Jul-10, 2015 through the Optional Practical Training (OPT) program.

References

	References available upon request.