Tabiul Mahmood
Senior Software Engineer

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Blog	https://tabiul.github.io/
Github	https://github.com/tabiul
Status	Permanent Resident

Highly experienced Senior Software Engineer that is well versed in multiple programming languages. Comfortable working in both static languages such as Java, C++, Golang and dynamic languages such as Python and Groovy. Have experience working with various Java based web frameworks such as Spring, Hibernate. Possess knowledge in Web Technologies such as Javascript. Experienced in TDD and working in Agile environment. Proficient in all aspects of software development life cycle. Experienced in leading team to implement complex project that involves various stakeholders.

Certifications	Linux Professional Institute Level 1 Certified	Jan 2013
	CompTIA Linux+	Jan 2013
	Grid Computing Competency Certification (Part 2) Advanced Common Module	Oct 2008
Learning	***Shaping up with Angular.js*** Code School	Feb 2016
	The Hardware/Software Interface (Cousera – University of Washington)	Oct 2014
	Functional Programming Principles in Scala (Cousera – Ecole Polytechnique Federale de Lausanne)	December 2013
	Introduction to Data Science (Cousera – University of Washington)	June 2013
	Programming Languages (Cousera – University of Washington)	April 2013
	Algorithms, Part II (Cousera – Princeton University)	May 2013
	Algorithms, Part I (Cousera – Princeton University)	September 2012
Skillset	***Programming Language (well versed)***	Java, C++, Python
	Programming Language (familiar)	Groovy, GoLang, Scala, Javascript, PL/SQL, Bash
	Operating Systems	Linux, Windows
	Database	Oracle, MySQL, Orientdb
	Frameworks	JSF, Wicket, JQuery, Hibernate, Spring, Struts2, Guice, OSGI
	Application Servers	Apache, WebSphere, Glassfish, Tomcat
	Build Tools	Make, Maven, Gradle, Waf, ANT
	Protocols	Web Service, RESTful, SOAP, Protocol Buffers
	Source Control	Svn, Git
	Testing Frameworks	JUnit, Google Test, Mockito, PowerMock, Selenium
	Others	SQL, Swig, XML, JSON, Antlr, ZeroMQ, Jira, Bamboo

Experience	**Senior Software Engineer**	July 2016 - Current

Senior Software Engineer   July 2016 - Current
World Manager, Sydney
Technology: Scala, Java, Gradle, Spring Framework, Spring Boot

Senior Product Development Engineer   July 2011 – April 2016
Advanced Micro Devices, Singapore
- Architect and developed a tool that allows translation of test program from one tester platform to another. Selected for internal Technology Showcase.
- Created a c++ parser for domain specific language
- Managed all Bamboo Continuous Build Plan for the ATE Client Team
- Initiated Innovation Project to encourage engineer to spend some of their free time to explore project ideas
- Authored Technical Solution paper on how to transform key infrastructure from single threaded model to concurrent model
- Developed the feature to allow execution of python script within C++ application.
- Developed a dependency graph tool using D3.js to highlight dependencies between various test program modules
- Part of the team that rewrote application in Golang

Technology: C++, Java, GoLang, Guice, Maven, Gradle, OSGI, Antlr, Sablecc, Waf, Make, Swig, protocol buffer, ZeroMQ, Google Test, Mockito, PowerMock, Selenium, Git, Apache, PHP, Perl, Python, Bash, Bamboo, JIRA

Senior Software Engineer   Nov 2010 – June 2011
Great Eastern Insurance, Singapore
- Collaborated with Functional Analyst to understand the requirement for new insurance product launch
- Translated the functional requirement into feasible technical solution and did the necessary implementation
- Rewrote error-prone excel macro based tool that updates database when a new product is launched with more stable python version
- Developed a python script to auto deploy modified file into a common development server to allow fast turnaround

Technology: Java, Hibernate, Spring, Struts2, Python, Oracle, SVN

Software Consultant   May 2009 – Oct 2010
Barclays Technology Centre, Singapore
- Architect and implement custom JSF component.
- Solved challenging problem involving JSF lifecycle
- Core implementer of Saving Account Creation and Fund Transfer module

Technology: Java, JSF, Spring, Hibernate, Websphere, EhCache, DynaCache, JQuery, Javascript, SVN

Senior Analyst Programmer   Nov 2008 – May 2009
NovaCityNets, Singapore
- Managed the full development lifecycle for the assigned module from translating functional specification to technical specification and working with the developer to ensure delivery of high quality software
- Guided Junior Developer in any Technical Challenges
- Designed and implemented key module in ELMS

*Technology***:** Java, Struts2, Tomcat, Javascript, ExtJS, Hibernate, Spring, JackRabbit, ANT

Senior Software Engineer   Oct 2001 – Oct 2008
Autoscan Technology Private Limited, Singapore

- Architected and Lead the team to Successfully migrate SATS Time & Attendance system from client-server architecture to a web based application
- Concurrently managed multiple projects from its initiation phase to the maintenance phase
- Organized and managed UAT (User Acceptance Test) session
- Collaborated with various stakeholders to lead the process of gathering user requirement
- Authored functional and technical specification
- Technical advisor for ILS project redesign and was in charge of developing PL/SQL stored procedure to migrate data from old system to new system
- Awarded commendation letter from CEO for recovering customer Oracle database from catastrophic failure due to power failure
- Analyzed multiple cases of slow Oracle database performance. Investigated the root cause and implemented improvements

Technology: Java, Oracle, JSF, Glassfish, Visual Basic 6, Swing, spring, hibernate, PL/SQL, SQL

Education

Master of Software Engineering
National University of Singapore, Singapore   June 2010

Bachelor of Information Technology   May 2007
Monash University, Australia

Specialist Diploma in Statistics and Data Mining   March 2012
Singapore Polytechnic, Singapore

Diploma in Computer & Electronics Engineering   August 2001
Ngee Ann Polytechnic, Singapore

Training   Oracle 9i Database Performance Tuning   Nov 2005

                      Oracle 9i Database Administration Fundamentals II   Oct 2005

                      Fast N Furious .Net Workshop   Feb 2004