**Andy Tanoko**

**Professional Profile and strengths**

* 16 years in Software Development Industry - Client/Server, Web-based, SOA, Microservices, Agile & Waterfall.
* Lead supervise and mentor development teams simultaneously following the best practices for high quality of deliveries.
* Performance Optimization, Performance Test, Code Refactoring, Design and Architect.
* Software security and server hardening.
* Continuous Integration Automated Build-Release-Deploy.
* Requirement Gathering and Converting the requirement to Technical document
* Software Design and Architect.
* Infrastructure architect, sizing, and provisioning.
* Project Estimation
* Vendor Management
* Exposure in multiple Government and Banking project
* Requirement Gathering from Client
* Technical Architecture Document Presentation
* Planning and Risk Mitigation

**Professional Certificate:**

* AWS Solution Architect Associate, July 2019
* AWS Cloud Practitioner, Mar 2019
* UI Path RPA Developer, Dec 2017
* ITIL Foundation Certificate, Dec 2014
* Oracle Certified Master – Java EE5 Enterprise Architect, May 2013
* Introduction to Scrum, Dec 2007

**Working Experience****/Projects Handled**

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| **Crossbridge Capital**  Role: Head of Cloud  Infrastructure and  Development  Dec 2019 - Present | **Responsibility:**   * Lead cloud architecture and development * Lead cloud transformation * Cloud Native * MAS regulation compliance   **Product: Asset Management**  a powerful gateway for private clients to access the best in service, expertise and performance when it comes to managing their wealth**.**  **Environment:**  Microservices, Spring, Spring boot, AWS EKS, Kubernetes, ECR, Cognito, S3, Jenkins, Prometheus, ELK, Zipkin, Autoscaler |
| **Accenture**  Role: Technical Architect, Team Lead  Aug 2016 – Apr 2019 | **Achievement and Reponsibilities:**   * ASEAN Tech Recognition for Top Performers FY 2017 * Fixing critical issues and urgent technical issues, * Solution Architect (software, database, infrastructure) * Provide detailed design * Advise on complex coding, issues & resolution * Develop design of application and provide regular support/guidance on complex coding, issue resolution and execution * Coordinate all team members to resolve issues * Application Architect for Revenue Management System (database, api, batch job, BPM) * Translate Functional Requirement to Technical Documentation, * Setup Continuous Integration * Research and POC on Java Script Test Automation Libraries * Develop Enrichment and Validation framework * Develop Fine grained authentication framework * Project Estimation   **Project Banking Credit Grading**  the project is to determine what is a credit grade of a company, based on the profile, balance sheet, geographical and political.  **Project Banking Credit Limit Approval**  Project is to manage authorization for the person to approve limit and excess in trading.  Environment  Microservices, Spring, Spring boot, Openshift, Java 1.8, SCRUM Agile, Maven , JUNIT, Mockito, MySQL, Oracle, Postgres, WSO2 Identity Server, json, REST, Zuul, Openid  **Project:Accenture Liquid Studio**  This project is to create an interactive chatbot, connecting Google home to a Robotic Process Automation, to search and book airlines and hotel ticket.  Environment:  Python, Dialogflow, Google home, Robotic Process Automation uipath  **Project: NTP Tradenet and Tradeexchange SG Custom (Government project)**  This project is a composite project, contains of 10 interrelated project to handle tax and fee for all imported goods in Singapore. The project values around 100 million SGD. 500 people are involved in this project.  Environment  Java 1.8, Weblogic 12, Oracle BPM, Oracle Database, Apigee, CA Layer 7, Maven, Sequence Diagram, ER Diagram, Component Diagram, Class Diagram, SCRUM Agile, JUNIT, Mockito, Spring, Spring boot, Spring data, hibernate, AWS (Cloud), Microservices, Kafka  **Project : Banking – CI/CD**  A large MNC Bank organization across worldwide, and recently they adopt SCRUM – Agile in their organization. Accenture help them to implement the tools and build the system  Environment  Java 1.8, Jboss Fuse, SCRUM Agile, Maven , Angular JS, Protractor, Ruby, JRuby, Redhat, JUNIT, Mockito, Cucumber, Microservices |
| **Ecquaria Technology**  Role: Solution Architect  Apr 2015- Jul 2016 | **Achievement and Reponsibilities:**   * Solution Architect (software, database, infrastructure) * Provide detailed design * Advise on complex coding, issues & resolution * Develop design of application and provide regular support/guidance on complex coding, issue resolution and execution * Project Estimation * Infrastructure architect and provisioning * Assist in Proposal Submission , technology advisor * Oversees all technical aspect for the project * Lead a team of 5 developers and 2 business analyst * Clean all security issues, sql injection, csrf * Optimizing build-deployment time in SIT, UAT, and production server by implementing Continuous Integration and Continuous Delivery tools * Optimizing performance monitoring by adding system monitoring tools library * Increasing code quality by introducing static code analyzer * Mentoring team and guiding them on how to use security libraries, sql indexing, and creating developer guidelines. * Vendor Management   **Project: MSF- ECDA(Solution Architect)**  Project is to implement an integrated Educator Management System for all early childhood educators in Singapore. Around 30000 educators login to the system everyday  Environment  Java 1.7, JBOSS 7.1.1, Elixir report, CVS, Jenkins, SonarQube, SQL Server 2008, IBM App Scanner, OWASP CSRF, anti-samy library , Spring, Spring JDBC Template, Spring , GCLOUD, Continuous Integration (Jenkins), JUNIT, Mockito, JMeter  **Project JTC (Presales Solution Architect)**  JTC Project is a business intelligence implementation, to monitor occupancy rates, demands, price for all properties under JTC. Project values is around SGD 2.5 million |
| **Cloudpay**  Role: Technical Specialist, Developer  Oct 2013 – Apr 2015 | **Achievement and Responsibilities:**   * Improving code quality and development process by implementing a Java Parser to automatically upgrade old Java codes to new codes using spring framework. * Refactor legacy codes using various Design Patterns * Successfully created new General Ledger Report and Modules * Successfully build a new ESS project. * Successfully implement a pdf template report   **Product: Global Payroll**  Cloudpay has the capability to deliver solutions to customers managing and reporting payroll across 160 countries.  Environment: MySQL, Jasper Report, Rest Service, Attlasian Jira, Mercurial, Continuous Integration (Bamboo), JUnit, Mockito, HTML5, Spring, Spring-Jdbc Template, Maven, Scrum methodology, angularjs, iText, Mercurial hq, Amazon AWS, OWASP CSRF. |
| **Bluerock Intelligence (Eco Consumer Services)**  Role: Architect, Developer  Oct 2012-Sep 2013 | **Achievement:**   * Improving build-deploy process time by implementing Continuous Integration and Continuous Delivery tools * Improving code quality by implementing static code scanner. * Reducing issues and improve code quality in the feedback enterprise app. * Successfully project delivery     **Project:Feedback for mobile**  Text analytics, Feedback for mobile is an application to send feedback and rating from user to server  **Project: Enterprise Feedback Management (geteco.com)**  The project aim is to analyze text (text analytics), management, scoring, and management for feedback and user rating.  Environment: Java/J2EE, Tomcat, GWT, SOLR- Lucene, MySQL, Jasper Report, Rest Service, Web Service, Amazon AWS (Cloud), Continuous Integration (Jenkins ), HTML5, Spring 3.1 , JPA-Eclipselink, Atmosphere, Websocket, SVN, jquery, JERSEY/JAX-RS, JACKSON, Maven, |
| **Crimson Logic etrade Service**  Role: Support and Developer  Apr 2010 to Oct 2012 | **Achievement:**   * Optimization by re-designing and re-factoring old document translator application to reduce the configuration time from 120 minutes to 15 minutes * Improve security by implementing a protection module to enable licensing in the Imapper project * Improving Code Quality by Implementing Command Design Pattern , Mediator, Adapter Design Pattern , Front Controller Design Pattern, Mediator, and Command design pattern. * Eliminate bugs using JUNIT test script to test the Web Service’s business logic. * Successful Project Delivery   **Project: IMapper / GridMapper**  IMapper / GridMapper is a message translation application with additional feature: transmission layer over: SFTP, FTP, External plugin module, integration with GridTalk, and Workflow, Maven  It provides users with the ability to define the structure of a document and to map data from one format to another. These tools are based on Extensible Markup Language (XML) and related standards, such as Extensible Stylesheet Language (XSL) Transformation (XSLT), Altova Mapforce and an Transwork (Internal mapping system).  **Project: Digital Certificate Convertor Project**  Digital certificate convertor is a toolkit to convert file from an P7B/PFX format to LDIF format.  **Project : TradeWeb Enterprise (Government Project)**  Tradeweb Enterprise is a front end application used by client to create export-import transaction, reporting, multiple user management and translate message to the backed Server protocol. The project supports the Trade Net version 4.1 Standard for messaging with the Singapore Custom. project to handle tax and fee for all imported goods in Singapore  **Project: GridTalk Support and Enhancement**  The project is to continuously support, bugfix, and enhancement of GridTalk.  GridTalk enables customer’s collaborative value chain to exchange business documents, automate workflows and synchronize shared data directly with multiple business partners in real-time, reliably, efficiently, and securely.  Environment Java-J2EE, JBOSS, Servlet, JSP,Struts, EJB, Message Queue, Posgre SQL, EDI, Rosetta Net, JUNIT, Ant,SVN , Tomcat, Altova Mapforce, Xpath, Saxon, Web Service,Amazon AWS Server (Cloud), Ajax, GWT, JBOSS Portal, Java, Web services, JSP, HTML, Junit, Eclipse, Postgre 8.3, Jasper Report  Java-J2SE, Swing,EJB, Altova Mapforce , Ant,SVN , Xpath,Saxon, EDI, XML, CSV, X509, Digital Signature, SFTP, FTP, SVN |
| **Working in Indonesia**  Role: Lead, Software Engineer  Oct 2003 - Mar 2010 | **Portal Framework and online stores**  **Achievement:**   * Increase reliability in the production by eliminating bugs in the application and open source ofbiz framework. * Improving deployment and build process by creating various shell script for billing service to smoothen the development process * Lead an overseas team (5 person) and delivered the project within the timeframe * Maintain and support the whole applications with SLA 99.99% yearly. * Mentoring the developers to understand the webservices, Geolocation Maxmind’s API and NETS payment gateway * Provided an accurate estimated effort and resource needs to implement a project. * Security improvement by developing a Security framework, to deal with SQL Injection and Cross side scripting * Search Engine Optimizing (SEO) and link building, peak period achieved (+/- 4000 unique visitors daily) * Successful project delivery   **Recipes Website**  The objective is to develop an online recipes community, where users can browse and submit their recipes. The application support rss/feed.  **Automotive Portal**  The objective is to develop an online car market portal, where user can publish the cars they want to sell, search the cars, rss/feed automotive article.  **Online Store**  The project is to create an online store using JSP / Servlet. The online store able to handle multi-taxonomy categories, automatically currency converter . The Administrator module including the stock system, purchasing system, discount system, and automatic email sender.  **Onlinestore Multiple Currencies**  Enhancement of an online store for reseller/distributor to buy calling card, buy number, topup card, resale the calling card credit, users management  **Distributor and Reseller module**  Enhancement of an online store for reseller/distributor to buy calling card, buy number, topup card, resale the calling card credit, users management. The application is connecting to 5 external services. It has about 600.000 users per month.  **Online store Payment Gateway**  Integration a payment gateway to an Online store  Environment: PHP, Wordpress, MySQL, Tbs framework , javascript, SEO, link building  JSP,Java-J2EE,Servlet,XSLT,ofbiz, MySQL, online payment gateway, Ant,SVN , Tomcat, ENETS, Mastercard, Visa, Web Service, Single Sign On.  **Government Sector:**  **Achievement:**  Successfully deliver the projects within the timeframe   * Acquire Knowledge on JSP and JSTL * Successfully deliver the project within the timeframe * Maintain user satisfaction by continuously developing, testing, bug fixing, and supports the project.   **Enhance Corporate Registration website**  The objective is to handles workflows from requestor , approving officer (multiple level), and purchasing officer. The application also have a dynamic transaction form entry and dynamic workflow, depends on the type of transaction.  **Development Purchase Request System**  Developing from the scratch, a new Purchase Request System. The application handles workflows from requestor, approving officer (multiple level), and purchasing officer. The application also have a dynamic transaction form entry and dynamic workflow, depends on the type of transaction.  **Survey Management**  Project is to enhance a Survey Management, to support new UEN code format. Using technology Borland C Builder , vbroker . The application able to design a survey using Microsoft Visio and export it to the certain files, and automatically generate dynamic pages for user to enter the survey  **Cargo and Transport Module**  Develop and Implementation for shipment, transportation, and Cargo.  Environment: Java/J2EE,JSP,Servlet, EJB, Weblogic , Struts, Oracle, Ant,SVN , Tomcat, Apache POI, Oracle database, Corba and Borland C Builder, and Microsoft Visio , Sun Java Application Server  **Telecommunication Industries:**  **Achievement:**   * Successfully launched beta version within 1 year as scheduled, being able to conduct product demonstration at annual Mobile World Congress in Barcelona. * Acquire knowledge on the mp3 and mp4 file format , encryption library for Java J2ME, smart card APDU commands   **Social Media and VOIP**  Enhancing and maintaining a VOIP Application on Window Mobile Application using C++ MFC on device: SmartPhone and PDA. The VOIP client is connected to the VOIP server using TCP/IP and UDP protocol. The application handle multitasking incoming user contact list, incoming chat , multitasking file send, video call, upload picture, file sending.  **Enhancement language menu and dynamic menu OTA**  Project is to enhancement language changes from OTA Server, Creating simulation script for the card. Application features: setting the language based on the USSD registration from users, Multilanguage menu application , and Dynamic menu based on the user registration  **Smart Card Protocol Tester**  The Project is to enhance an application to test Smart Card Protocol (USIM). The application is connected to the smart card reader, using certain protocol to communicate with the smart card, give command and control the smart card reader.  **Digital Right Management**  The application is able to add some noise to the original MP4/MP3 file and to remove the noise when it plays in the client side.  Environment: XML, J2ME, Encrypt/Decrypt Technology, TCP/IP, Multimedia file format (MP3 and MP4), CVS,SVN, VC++,COM-PORT, TCP/IP, ISO -11.11 -- 11.14,11.17,etc. ( SMART CARD Technology Standarization), MFC, Java Card, VOIP,SIP Protocol, TCP/IP, UDP, Windows Mobile (WinCE and Smart Phone), MFC  **Banking Industries**  **Achievement:**   * Acquire Knowledge on Cross platform integration between AS/400 server and Java, using xml., Reporting using Crystal Report ,DROOLS library, eclipse plugin using SWT, Adapter Design Pattern , Stored Procedures * Maintain user satisfaction by continuously developing, testing, bug fixing, and supports the project.   **Reporting system Enhancement**  The project is to pull data from AS400 and generate report from the data.  **Implementation of Business Rule Management System (BRMS)**  The project is to implement a Business Rule Management System (BRMS) for Credit Card Sales Tracking. The application allows user to modify Business Rule without modifying the code. Business Rule Management System use in Banking, where the rule recently changes.  **Mutual Fund Loan**  The project is to create a Mutual Fund Loan Application. The application connect to the main Database which contains Customer's Mutual Fund and handles the document workflow approval.  Environment: Java/J2EE,JSP, JSTL, SQL SERVER, XML, WebLogic 6.1, Crystal Report, TSQL, Stored Procedure, Ant,SVN , Tomcat.Log4j, Database Tuning, , JSTL, Business Rules - Drools, XML , Oracle database, Log4j , J2ME, Encrypt/Decrypt Technology |

**Education:**

1999-2003 Major: Bachelor degree of Computer Science (SKom)

**GPA: 3.51 of 4, Honor: Cumlaude** (equals to First Class Honor)

Sekolah Tinggi Teknik Surabaya

Surabaya Indonesia

**Course:**

* 14 December 2014 - 28 December 2014 **ITIL V3 FOUNDATION IN SERVICE MANAGEMENT**
* 3-6 Jan 2012: **Developing Architecture for Enterprise Java Application**, Oracle University, Feisal Ahmad
* 29th May 2012: **Intalio Halfday Workshop**, The Crimson, Boon Hou Boh
* Oct 2011 – Dec 2011 : **Machine Learning ,** Stanford Engineering , Andrew Ng
* Nov 2007: **Introduction To Scrum** , Pete Deemer