Software Engineer

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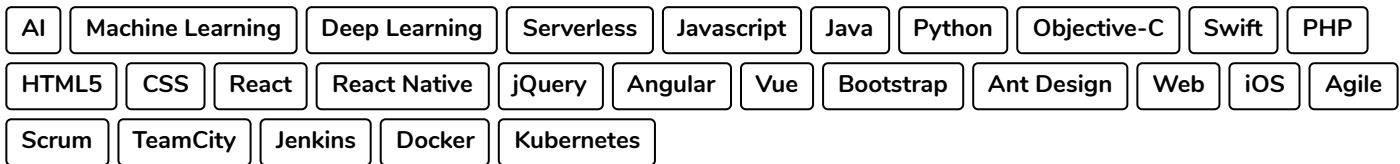
# M Junaidi Jusoh

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Cyberjaya, Selangor, MALAYSIA

## Life Philosophy

I like to experiment in building things. Experiment helps me to figure out the right way to do something. Sometimes it works. Many times it fails. Failures can teach me to try a different way. In order to keep experimenting, I have created tools and frameworks that can help me to speed up the process. I believe in finding a way to simplify things and to automate things can help. It might help us to concentrate on many other things. Things that probably will lead us to much better things.
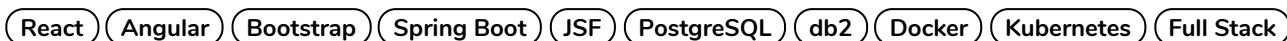
`AI`  `Machine Learning`  `Deep Learning`  `Serverless`  `Javascript`  `Java`  `Python`  `Objective-C`  `Swift`  `PHP`  `HTML5`  `CSS`  `React`  `React Native`  `jQuery`  `Angular`  `Vue`  `Bootstrap`  `Ant Design`  `Web`  `iOS`  `Agile`  `Scrum`  `TeamCity`  `Jenkins`  `Docker`  `Kubernetes`

 GitHub Repo (https://github.com/mjunaidi)     Codepen (https://codepen.io/mjunaidi)

 Portfolio (https://mjunaidi.github.io)    Blog (https://www.techcycle.me)

# Professional Experience

## Mercedes-Benz (Malaysia) (http://www.mercedes-benz.com.my) Kinrara, Selangor

### Senior Software Engineer (June 2015 – Now)

- Working directly with Daimler TSS in Germany.
- Working closely with teams from Germany and China.
- Responsible in development of a number of applications.
- Full Stack: working on Database, API and front UI.
- Creating custom components for the application.
- Maintaining legacy sytems, upgrading to newer modern versions.
- Working in team and practice Scrum.

`React`  `Angular`  `Bootstrap`  `Spring Boot`  `JSF`  `PostgreSQL`  `db2`  `Docker`  `Kubernetes`  `Full Stack`

## BT (Malaysia) (http://www.btplc.com) Bangsar South, KL

### Software Engineer ( Sep 2014 – June 2015 )

- Maintained batch processing application that handles data to and fro other applications.
- Upgraded legacy systems to modern applications (Rest-API, web UI).
- Designed and implemented service or change requests.
- Practiced continuous integration TeamCity (https://www.jetbrains.com/teamcity).

## Atex (Asia) Sdn Bhd (http://www.atex.com) Damansara Heights, KL

### Java Developer ( Sep 2011 – May 2014 )

- Involved directly in product development of Atex Web CMS (the core engine) since 2012.
- Lead Demo Project in 2013, developing a demo kit used in conference and by sales team.
- Developed Mobile App Kit plugin for the CMS that can be used to turn the front end of the system into mobile-friendly site and mobile client app.
- Managed integration and deployment using Jenkins.
- Other projects:

Agderposten (http://www.agderposten.no) ( 2014 )   London24 (http://www.london24.com) ( 2013 )
Ipswich Star (http://www.ipswichstar.co.uk) ( 2013 )   Great British Life (http://www.greatbritishlife.co.uk) ( 2013 )
Irish Times (http://www.irishtimes.com) ( 2012 )   Thompson (http://hr.complianceexpert.com) ( 2012 )
New Straits Times (http://www.nst.com.my) ( 2012 )

**\*\*\* Reason for leaving: Retrenchment**

## Commerce Dot Com Sdn Bhd (http://www.commercedc.com.my) Petaling Jaya, Selangor

### Analyst Programmer ( Apr 2009 – Aug 2011 )

- Developed web-based Java application (J2EE).
- Created PL/SQL queries such as stored procedures and functions to fetch the business data to improve efficiency.
- Programmed JavaScript for client side validation and drag-and-drop shopping cart to improve user experience (2009).
- Projects; eCat 2.0 (https://ecat.commercedc.com.my/portal) (an online catalog system with Web 2.0 features), Supplier Registration System (https://sr.eperolehan.com.my), eBid (https://ebidding.eperolehan.com.my) (an online bidding system), and ePerolehan (http://home.eperolehan.com.my/v2/index.php/en) (an online procurement system that is currently used by the Government of Malaysia)

## FlairWork Technologies Sdn Bhd (http://www.flairwork.com) KL

### Software Engineer ( Aug 2008 – Mar 2009 )

- Develops a unique in-house framework using PHP, MySQL and AJAX that has been used in most client projects. The framework improves project implementation, reduces development effort and saves resources.
- Projects; Organization Chart System for British American Tobacco/Group Delivery Service (Java, MySQL), Web Portal for Suruhanjaya Perkhidmatan Awam Perak (PHP) (http://spa.perak.gov.my), Corporate Website and Online Booking System for a travel agency (PHP, MySQL), Information Risk and Security Monitoring System for MAS (PHP, MySQL, AJAX), English-Malay online dictionary (http://kamus.flairwork.com).

## Infosys Technologies Limited (http://www.infosys.com) Bangalore, India

### Internship ( May – Jul 2008 )

- Trained on Enterprise Application Development mainly in Java and Oracle. Other subjects are HTML, Javascript, DBMS, quality systems, and project management.
- Achievement; scored A in every training modules. (From total 100 people, only 2 scored all A's. I am one of the 2.)

## Skali Web Services Sdn Bhd (http://www.skali.net) Sentul, KL

### Software Developer ( Jul 2007 – Apr 2008 )

- Lead a number of development project of web portals apart of 450 government agencies using JBoss portal, Java, PostgreSQL.
- Developed a web-based Staff Directory System for the company using Java, Ajax and PostgreSQL.
- Developed a web portal and web components for Young Professional Consultative Society (YPCS) using Joomla, PHP, javascript and mysql.
- Developed a knowledge management portal with Document Management System (Web 2.0) using Neofission (company's licensed CMS), PHP, Ajax and mysql.

# Personal Projects

## Holiday Calendar Version 2.0 ( December, 2018 )

Upgraded version of Event Calendar. Re-built from scratch using React and serverless architecture. The original Event Calendar is built with Angular. The new version supports 5 languages; English, German, Chinese, Hindi and Malay. Information on public holidays for 8 countries; Malaysia, US, UK, Germany, China, India, Indonesia and Singapore. More to come!

React JS   Javascript   Ant Design   Serverless

Live view ➡ (https://www.calendr.me)

## Website for My Apps (September, 2018)

On launching my apps on the app store, I have created a website to introduce the apps. The website is created specifically for my two apps, Math qCalculator and Matrix qCalculator. Both are iOS apps. More on iOS Apps.

`React JS` `Javascript` `Serverless`

Live view ➞ (https://www.qcalc.app)

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## React Native Tic Tac Toe (July, 2018)

I have created a boilerplate project that can be extended easily to become a full working iOS/Android app. This game app is one of the example. I open-sourced this project. Furthermore, the app is availble on App Store. Components created in this project is highly re-usable for many other things.

`React Native` `Javascript` `iOS`

Source code ➞ (https://github.com/mjunaidi/RNTicTacToe) Live view ➞ (https://rntictactoe.netlify.com)
Donwload on the App Store ⬇ (https://itunes.apple.com/us/app/rn-tic-tac-toe/id1409186251)

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## Notesify (January, 2018)

A place where I store some of my notes on any topic. Quick to be accessed. Easy to be shared. Nice to be demoed. It is made on top of one of my experiments, an algorithm to summarize an article. The slide look and feel is powered by Reveal.js (https://revealjs.com) with a little modification.

`React JS` `Javascript` `Reveal.js` `Serverless`

Live view ➞ (https://www.notesify.co)

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## Personal Blog (August, 2017)

A personal blog where I am sharing my experiments and findings in programming. The website itself is an experiment. Developed from scratch with Serverless architecture.

`React JS` `Javascript` `Bootstrap` `Serverless`

Live view ➞ (https://www.techcycle.me)
Speed test ➞ (https://testmysite.io/5af640378df8943882ca0b39/www.techcycle.me)

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## UUID Generator (June, 2015)

A very simple online UUID generator.

`Javascript` `AngularJS` `Bootstrap`

Live view ➞ (https://www.uuid.pro)

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## TrendCrypt (May, 2015)

An encryption tool. It can be used to pass an information in a much more private and secure way. Each information is encrypted. User has to enter a key to decrypt the information to view it.

`Javascript` `AngularJS` `Bootstrap`

Source code ➞ (https://github.com/mjunaidi/trendcrypt) Live view ➞ (https://mjunaidi.github.io/trendcrypt)

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## Event Calendar (June, 2015)

An event calendar written in Angular and design powered by Bootstrap. The first version of Holiday Calendar was built on top of this application.

`Javascript` `AngularJS` `Bootstrap`

Source code ➞ (https://github.com/mjunaidi/simple-event-calendar)
Live view ➞ (https://mjunaidi.github.io/simple-event-calendar)

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## TrendCore (February, 2015)

Another take on different kind of CMS. It uses FileSystem to save data instead of Database. It translates any Java class into form where user can key in the data straight into it. Data read from FileSystem is automatically converted into Java object, allowing it to be manipulated programmatically.

`Java` `FileSystem` `AngularJS` `Bootstrap`

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## CamNav (January, 2015)

A back-end application developed for another mobile app which works as its front-end. It can be used to store location data such as latitude, longitude and their associate information.

`Java` `Hibernate` `AngularJS` `Bootstrap`

Source code ➞ (https://github.com/mjunaidi/camnav)

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## TrendCycle CMS (September, 2014)

Is a work-in-progress on my own version of CMS. By using modular solution to store/create content; it allows user to define templates and store data based on templates created.

`Java` `Hibernate` `AngularJS` `Bootstrap`

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## PathFinder (July, 2014)

An application to find the shortest and alternative paths between two nodes/stations.

`Java` `Hibernate` `AngularJS` `Bootstrap`

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## Web Analyzer (June, 2014)

A website demo about a tool to analyze websites data.

`Java`  `PostgreSQL`  `AngularJS`  `Bootstrap`

Source code ➞ (https://github.com/mjunaidi/web-analyzer) Live Demo ➞ (http://web-analyzer.herokuapp.com)

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## Workgroup Finder (October, 2013)

A web application to search/find workgroup.

`Java`  `Hibernate`  `AngularJS`  `Bootstrap`

Source code ➞ (https://github.com/mjunaidi/workgroup-finder)

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# iOS Apps

### Math qCalculator (2018)

Made for the convenient to view the calculation in full. See all terms in the equation currently being in calculation. Easy to review. Fix any term if needed without having to re-calculate everything all over again. Add-on features: Matrix. Note: Matrix is also available as a single app specially for Matrix calculations (See Matrix qCalculator below). More at qcalc.app (https://www.qcalc.app)

`iOS`  `Swift`

(https://itunes.apple.com/us/app/math-qcalculator/id1435296651)

### Matrix qCalculator (2018)

Calculator specially made for Matrix calculations. Fast to create a matrix term. Quick to apply the matrix operations; transpose, inverse, determinant. More at qcalc.app (https://www.qcalc.app)

`iOS`  `Swift`

(https://itunes.apple.com/us/app/matrix-qcalculator/id1434505248)

### Let's GoFish! (2018)

Based on classic card game Go Fish with a little twist. Player can choose to play with different match count either 2, 3, or 4 cards per set of same faces. Play against computer. Winning the game by winning the highest number of cards.

`iOS`  `React Native`  `Swift`

(https://itunes.apple.com/us/app/lets-gofish/id1347516992)

## Panoramic Wallpapers (2018)

Get a random beautiful photo for your phone to be used as its background. Each photo will be specially resized to your phone screen dimension. Photos are from generous community of talented photographers at Unsplash.

`iOS` `React Native`

(https://itunes.apple.com/us/app/panoramic-wallpapers/id1392514688)

## MemoFish! (2018)

Memory card game with fishes. Try to find pairs of same fish in a group of cards. Starts with 4 cards. Unlimited guesses. Have fun!

`iOS` `React Native` `Swift`

(https://itunes.apple.com/us/app/memofish/id1350346406)

## Get The Moonstone (2014)

Get The Moonstone is based on classic block removing game, but with an objective. The game uses gemstone as the block. Linked gemstones with the same color can be removed from the screen. More gem stones will fall to replace the removed stones. You will win the game if you can remove the moonstone.

`iOS` `Objective-C`

(https://itunes.apple.com/us/app/get-the-moonstone/id918752449)

# Education

Microsoft: INF246x Enterprise Security Fundamentals `2018` `edX` `online`
(https://courses.edx.org/courses/course-v1:Microsoft+INF246x+1T2018/course)

Microsoft through edX (https://courses.edx.org/courses/course-v1:Microsoft+INF246x+1T2018/course)

My final grade: 81% (edx/INF246x-progress.png)

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Application Security and Secure Coding Training Codebashing `2018` `codebashing` `online`
(https://www.codebashing.com)

Codebashing (https://www.codebashing.com) by Checkmarx (https://www.checkmarx.com)

Completed two courses, in Java and iOS.

View certificate `Java`
(https://certificates.codebashing.com/java_course_certificate_43422a392c2e83d43c572cf2b211cbae1c5e903c.pdf)
`iOS`

(https://certificates.codebashing.com/ios_course_certificate_e0ec584639738b1acabc8754c5171a43171bec62.pdf)

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## Machine Learning Stanford University ( 2017 ) [ coursera ] [ online ] (https://www.coursera.org/learn/machine-learning)

Stanford University through Coursera (https://www.coursera.org/learn/machine-learning) View certificate (https://www.coursera.org/account/accomplishments/certificate/ALUBFHUDAES6)

My final grade: 99.6% (coursera/coursera-machine-learning-grades.png)

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## Microsoft: DEV281x Introduction to ReactJS ( 2017 ) [ edX ] [ online ] (https://courses.edx.org/courses/course-v1:Microsoft+DEV281x+2T2017/info)

Microsoft through edX (https://courses.edx.org/courses/course-v1:Microsoft+DEV281x+2T2017/info)

My final grade: 81% (edx/DEV281x-progress.png)

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## MITx: 6.00.1x Introduction to Computer Science and Programming Using Python ( 2016 ) [ edX ] (https://courses.edx.org/courses/course-v1:MITx+6.00.1x_8+1T2016/info) [ online ] (edx/MITx6.00.png)

Massachusetts Institute of Technology (MIT) through edX (https://courses.edx.org/courses/course-v1:MITx+6.00.1x_8+1T2016/info)

View certificate (edx/MITx6.00.png)

My final grade: 100% (edx/MITx6.00-progress.png)

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## Microsoft Certified Application Developer Certification Program ( 2007 ) [ MCP ]

Microsoft, held at Universiti Teknologi MARA, Shah Alam, Selangor, MALAYSIA

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## BSc. in Intelligent Systems (a.k.a. Artificial Intelligence) ( 2007 ) [ DL ]

Universiti Teknologi MARA, Shah Alam, Selangor, MALAYSIA.

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## Diploma in Computer Science ( 2005 ) [ VCA ] [ DL ]

Universiti Teknologi MARA, Dungun, Terengganu, MALAYSIA.

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# Achievements

Participated in a number of programming contests:

( 2006 ) 1st place in programming contest intercampus (Shah Alam) [ Java ]
( 2004 ) 1st place in programming contest in UiTM Terengganu (Dungun) [ Java ] [ C++ ]
( 2004 ) Runner-up in programming contest intercampus (Jengka) [ C ]
( 2004 ) 1st place in web development contest for UiTM Terengganu Library (Dungun) [ HTML ] [ javascript ]
( 2003 ) 1st place in programming contest in UiTM Terengganu (Dungun) [ Java ] [ C++ ]