

Curriculum Vitae

Personal Information

Name : Yoel Rolas Simanjuntak
Email : yoelrolas@gmail.com
Place/Date of Birth : Medan/August 12nd, 1995
Contact Address : Jalan Karya Gg.Adil No.16, Kec. Helvetia Timur, Medan, Sumatera Utara
Contact Number : +6289669100393
Marital Status : Single
Gender : Male
Hobbies : Travelling



Formal Education

Level	School/Address	Period	GPA
Diploma III (Computer Engineering)	Del Institute of Technology	2012-2015	3.55
Senior High School	SMA Sutomo 1 Medan	2009-2012	-
Junior High School	SMP Santo Thomas 1 Medan	2007-2009	-
Elementary School	SD Budi Murni 2 Medan	2001-2007	-

Foreign Language

Language	Level
English	Good

Societal Task

1. Leader of Majelis Permusyawaratan Mahasiswa (MPM) of Del Institute of Technology 2014-2015
2. Secretary of Majelis Permusyawaratan Mahasiswa (MPM) of Del Polytechnic of Informatics 2013-2014
3. Coordinator of Medical Section in Committee of Program Cinta Almamater (PCA) 2013 of Del Institute of Technology
4. Coordinator of Equipment Section in Committee of Ephiphania Christmas of Del Institute of Technology 2013
5. Committee of Ephiphania Christmas of Del Polytechnic of Informatics 2012

Achievement

1. 3rd Best Student Award of Computer Engineering Major, Del Institute of Technology 2015

Technical Skills

Technical Specification	Skills Specification	Experience	Level
Database System	Microsoft Access	Having two semesters experience in learning queries execution and using wizard with Microsoft access and making other programs and application that could access the database.	Excellent
	MySQL	Having two semesters experience in learning and maintaining MySQL database, executing queries and other commands, and making other program that could access the database.	Excellent
Embeeded System	Arduino UNO R3	Having one semester in learning basic concept of embeeded system and using Arduino UNO R3 microcontroller combined with serveral sensors and other components to build embeeded system and robot.	Good
Operating System	Linux CentOS	Having three semester experience in using CentOS Desktop to learn basic Linux command and one semester experience using CentOS as operating system to run and maintain service on a network and also troubleshoot problems occured in server.	Excellent
	Linux Backbox	Having one semester experience in using Backbox and several tools provided inside to do network penetration testing.	Good
	Linux Backtrack	Having one semester experience in using Backtrack and several tools provided inside to do network penetration testing.	Good
	Linux Ubuntu Desktop	Having one year experience in working with Ubuntu Desktop.	Good

Technical Specification	Skills Specification	Experience	Level
	Linux Server Ubuntu	Having one semester experience in using Ubuntu Server as operating system to run and maintain service on a network.	Good
	Windows	Experience in using windows environment to run and execute programs.	Good
	Windows Server 2003	One semester experience in using Windows Server 2003 as operating system in a server to run and maintain several services on network, manage users on network, troubleshoot problems occurred in Windows Server and migrate active directory to Windows Server 2008.	Good
	Windows Server 2008	One semester experience in using Windows Server 2008 as operating system in a server to run and maintain several services on network and manage users on network.	Good
Programming Language	C	Having four semester experience in learning basic and intermediate concepts of C programming, improving skill of problem solving, developing application and system programming in Linux by using C programming language.	Excellent
	C++	Having two months experience in learning basic syntax and concept and solving problems with C++ programming language.	Good
	Java	Having one semester experience in learning and developing application by using Java Standard Edition.	Excellent
	PHP	More than two years experience in learning and developing web application using PHP web-scripting language and MySQL database.	Excellent

Technical Specification	Skills Specification	Experience	Level
	Pascal	Having two weeks experience in learning basic concepts of Pascal programming, improving skill of problem solving, and developing application using Pascal programming language.	Average
	Visual Basic	Having one year experience in learning and developing web application using Visual Basic.	Average
Scripting Language	HTML	More than two years learning web design concept and implementing it by creating static and dynamic websites.	Good
	JavaScript	More than two years experience in making more interactive HTML pages by embedding JavaScript in HTML.	Good
	Shell	Having one semester in learning syntax and basic concept of shell scripting in Linux.	Good
Miscellaneous	Yii Framework	Having experience in developing several web-based applications and information systems during study and internship.	Good
	Code Igniter Framework	Having experience in developing several web-based applications and information systems using Code Igniter as PHP Framework.	Good
	ASP .NET	Using ASP .NET Framework in developing web MVC application with Visual Basic Programming Language.	Average
	Apache Cordova	Using Apache Cordova as build tool in developing hybrid mobile application (Android and iOS).	Good
	Cisco Packet Tracer	Having two semester in using Cisco Packet Tracer to make several simulations and design topology of a network.	Good

Technical Specification	Skills Specification	Experience	Level
	Graphical Network Simulator 3	Having one semester in using Graphical Network Simulator to simulate and emulate several network hardwares.	Good
	Network Simulator 2	Having one semester in learning and using Network Simulator to evaluate performance of routing protocol.	Good
	VMWare Workstation	Using VMWare Workstation as virtual machine to run several operating systems.	Good

Projects Undertaken During Working (Internship):

- Project Name : **Automated Payroll System (APS) Web Based Application**
 Project Owner : PT. Mitra Pasifik Solusindo
 Duration : June 2016 – July 2016
 Platform & Skills : This project is developed under Windows platform using ASP .NET MVC Framework, Visual Basic as Programming Language and SQL Server 2014 as database system.
- Description : This project is a web-based version of pre-built desktop application (APS Desktop) which is able to help customers to handle and manage payroll and employee issue.
- Role : Developer
 Responsibilities : Porting pre-built desktop application functionality into web application includes designing UI and writing code based on pre-built framework.
- Project Name : **Multi-Level Marketing Learning Mobile Application**
 Project Owner : PT. Mitra Pasifik Solusindo
 Duration : Mei 2016 – June 2016
 Platform & Skills : This project is developed under Android and iOS platform using Apache Cordova as hybrid mobile application build tool.
- Description : This project is a mobile (Android and iOS) application which is used by customer to educated their students with basic knowledge of Multi-Level Marketing.
- Role : Developer
 Responsibilities : Designing UI and writing code using HTML and Javascript as scripting language, then build Android and iOS application using Apache Cordova.

- Project Name : **Pembangunan Aplikasi Manajemen Proyek (*Project Tracker*)**
 Project Owner : Wilmar Group Indonesia
 Duration : June 2015 – August 2015
 Platform & Skills : This project is developed under Windows platform using Yii MVC Framework and MySQL database
 Description : This project is a web-based application which is able to help handling process of projects undertaken by Wilmar Group Indonesia
 Role : Developer
 Responsibilities : Gathering requirements, designing, writing code, testing and deploying application.
- Project Name : **Academic Information System of Sekolah Tinggi Ilmu Kesehatan Sumatera Utara (STIKESSU)**
 Project Owner : PT Sinar Kreasindo Medan
 Duration : June 2014 – July 2014
 Platform & Skills : This project is developed under Windows platform using Yii MVC Framework
 Description : This project handles the academic process in STIKESSU
 Role : Programmer
 Responsibilities : Writing code for the information system

Projects Undertaken During Study:

Project Name : **Line Tracer Robot**
Project Owner : Del Institute of Technology
Duration : November 2014 - January 2015
Platform & Skills : This project is developed under Windows platform using Arduino IDE and Arduino UNO R3 microcontroller
Description : This project produce a line tracer robot which is able to move on the track, follow the line on the track, and avoid obstacles given
Role : System Engineer
Responsibilities : Assembling the components and writing code for robot

Project Name : **Setup, Configure and Maintain Server**
Project Owner : Del Institute of Technology
Duration : Oktober 2014 - November 2014
Platform & Skills : This project is done under Linux platform using CentOS operating system.
Description : The aim of this project is to implement the skills of setting up, configuring, and maintaining servers that runs serveral services such as: DNS, FTP, HTTP, Mail, and Instant Messaging.
Role : Administrator
Responsibilities : Setting up, configuring, maintaining server and troubleshooting problems occured on server

Project Name : **Penetration Testing on Kioptrix Server**
Project Owner : Del Institute of Technology
Duration : November 2014
Platform & Skills : This project is done under Linux platform using serveral tools provided in Linux Backtrack and Linux Backbox
Description : The aim of this project is to find vulnerabilities on kioptrix server and make module about how to do penetration testing
Role : Penetration tester
Responsibilities : Penetrating and making penetration report

Project Name : **Student's Polling Application**
Project Owner : Student's Committee of Del Institute of Technology
Duration : November 2014
Platform & Skills : This project is developed under Windows platform, Yii MVC Framework, and MySQL database
Description : The application handles the online election process in Student's Committee of Del Institute of Technology
Role : Developer
Responsibilities : Developing application

Project Name : **Information System of SMAN 1 Balige using JIBAS**
 Project Owner : Del Institute of Technology
 Duration : January 2014 – June 2014
 Platform & Skills : This project is developed under Windows platform, PHP programming language, MySQL database and JIBAS Information System
 Description : The aim of this application is to help SMAN 1 Balige in managing their data using information system
 Role : Analyst
 Responsibilities : Requirement gathering and making user manual.

Project Name : **Insurance Application using Java CORBA**
 Project Owner : Del Institute of Technology
 Duration : April 2014 – May 2014
 Platform & Skills : This project was built under Windows and Linux using Java CORBA and MySQL Server database
 Description : The application handles the client-sever processes like: register as the member, deposit money, and withdraw money
 Role : Programmer and Analyst
 Responsibilities : Gathering requirements, determining the business process, designing the database structure, designing the system, implementing and testing

Project Name : **Multiplayer Game using C in Linux**
 Project Owner : Del Institute of Technology
 Duration : April 2014
 Platform & Skills : This project was developed under Linux platform using C programming language
 Description : The aim of this application to create multiplayer game using interprocess communication in Linux platform.
 Role : Programmer
 Responsibilities : Develop the application

Project Name : **Online Library Web Application**
 Project Owner : Del Institute of Technology
 Duration : December 2013 - January 2014
 Platform & Skills : The project developed in Windows platform using Yii MVC Framework
 Description : This application handles management of online library in Del Institute of Technology
 Role : Project Manager and Programmer
 Responsibilities : Gathering requirements, determining the business process, designing the database structure, designing the system, implementing and testing

Project Name : **Minimarket Application**
 Project Owner : Del Institute of Technology
 Duration : December 2013 – January 2014
 Platform & Skills : The project is developed in Windows platform, Java Standard Edition Programming language, and MySQL database
 Description : This application handles the bussiness process in minimarket of Del Institute of Technology
 Role : Programmer
 Responsibilities : Making database structure, writing code.

Project Name : **Document Uploader Information System**
 Project Owner : Del Institute of Technology
 Duration : September 2013 – January 2014
 Platform & Skills : This project was developed in Windows platform using PHP web development language
 Description : This Project aims to help user in managing files and archives
 Role : Project Manager
 Responsibilities : Requirement gathering, coordinating team project

Project Name : **Sibatu-batu Florist Website**
 Project Owner : Del Institute of Technology
 Duration : January 2013 – June 2013
 Platform & Skills : This project was developed under Windows platform using Wordpress CMS.
 Description : The aim of this application is to help florist in promoting their products
 Role : Designer
 Responsibilities : Designing the content

Statement of Purpose:

All the above activities have helped me in many ways to:

- Be able to work in team well
- Be responsible for assignment, responsibility and challenge given
- Have good communication skills
- Have interest in learning new knowledges and things
- Remain focused and dedicated towards my work

I hereby certify that the information provided above is true.

Sitoluama, February 23th, 2015

Yoel Rolas Simanjuntak, A.Md