

# RYAN H S

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RESEARCHER / SR. WEB DEVELOPER

## Profile

Senior PHP Developer who likes to push the limit of "development" since 2011.

## Skills

### Web Developer

Work in web development since 2011.

### C Programmer

Some project need critical mission where C is the best solution. No doubt about it.

### Research / (AI)

Back to study for master degree to pursuit my goal as researcher. Especially in AI.

## Technical

HTML5

Laravel

Linux

Javascript / React JS

CodeIgniter

Windows

SASS & LESS

C for Web

## Experience

### Pasebandotcom

Apr, 2011 - Dec, 2011

PHP Programmer

"Was" social media website in Indonesia. The company gave me opportunity for my first full-time job and taught me development for real projects.

### CV Pusat Link & CV Techno

Jan, 2012 - Aug, 2012

Full Stack Programmer (System & Web)

"Was" a startup company to build data package (mobile) and other products payments, connect to banks & service providers, and retail stores.

### PT Topi Putih Kreasi Indonesia

Oct, 2012 - Jan, 2014

Web Programmer, Technical advisor

This was a small company in Indonesia with rapid development for many projects. This company honed me to have a habit to work hard and dedicate myself to every project i work on.

### PT Voxteno Indonesia

Sep, 2014 - Jul, 2015

PHP Programmer

My first experience to work fully for European clients, Belgium company in Indonesia "branch". I learnt many things in this company, from professional development to work in a big team across the world. Quit only because i want to do master degree, really good experience there.

### Universitas Internasional Batam

Aug, 2016 - May, 2017

Lecturer & Web Developer

Due to seamolec scholarship, I had to do internship at a region in Indonesia for 2 semester. I worked there as lecturer for undergraduate student for 2 classes every semester and develop web apps for university's internal applications.

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SCCIC Lab - Institut Teknologi Bandung  
Researcher & Web Developer

February, 2018 - May, 2018

Upon master degree graduation i work as researcher in this Lab to hone my skills related to Artificial Intelligence and develop habit of how researcher works.

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*Education*

SMKN 4 Bandung - (Vocational High School)  
Rekayasa Perangkat Lunak (Software Engineering)

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STMIK "amikbandung" - (Bachelor Degree)  
Teknik Informatika (Computer Science/Informatics) **3.53/4.00 GPA**

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Institut Teknologi Bandung - (Master Degree)  
Teknik Elektro Option Teknologi Media Dijital dan Game **3.42/4.00 GPA**

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*Awardee*

Mahasiswa Program Beasiswa Unggulan, yang Mendapat Prestasi di Bidang  
Teknologi Informasi  
BPKLN Kemdikbud RI **2012**

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*Scholarships*

Beasiswa Unggulan, Bachelor Degree  
Beasiswa Unggulan Masyarakat Berprestasi is a scholarship from goverment for Bachelor, Master and Doctoral. <https://beasiswaunggulan.kemdikbud.go.id/>

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Seamolec, Master Degree  
SEAMEO Regional Open Learning Centre (SEAMOLEC) is one of the 24 Centres under the auspices of Southeast Asian Ministers of Education Organization (SEAMEO) focusing in the field of Open and Distance Learning (ODL). <https://www.seamolec.org/>

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*Volunteer*

Lead Developer/Web Programmer - PPDB Kota Bandung

Local Education Authority trusted me to work on students registration projects (from elementary to junior to senior).

Since second year i became lead developer for this project. As a team we tweaked the website as hard as we can to make sure the website run smoothly for this events that held 1 month every year.

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Lead Developer/Web Programmer - PPDB SMK Jawa Barat

In 2017 Local Education Authority in region trusted my team to work not only Bandung but for whole region (West Java). (The system created in pure C since 2014)

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*Noted Open  
Source  
Contribution*

chess.php

chess.php is a PHP chess library that is used for chess move generation/validation, piece placement/movement, and check/checkmate/stalemate detection - basically everything but the AI. (Ported from chess.js)

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## cweb

Web Server (API Apps/application) in pure C. (legacy)

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## Encyclopedia (jsclasses inovation award)

This object can store large objects in many smaller ones. It acts like an object that stores key-value pairs but internally it creates multiple objects of limited length when the the number of entries exceeds the configured object limit. The object provides functions to set and get key values, check if a key exists, remove a value with a given key, and traverse the object entries using a callback function.

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### *Seminar Portfolio (as speaker)*

Hacking Black or White  
UNPAD **2009**

Make Your Linux Powerfull  
UNPAD **2010**

Web Design and Security in 2014 and Web Hacking Demo  
STMIK "amikbandung" **2013**

The Future of Android  
Universitas Sangga Buana **2014**

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### *Workshop Portfolio (as trainer)*

Workshop Hacking  
STMIK "amikbandung" **08-19 February 2010**

Workshop Hacking  
STMIK "amikbandung" **01-12 March 2010**

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### *Publication*

Domain Event Driven pada Aplikasi Komputer Catur: Logika Catur  
Tati Suprpti, Ryan H. Silalahi. KOPERTIP INDONESIA. Jan 01, 2017

Optimization and modification of evaluation function in Stockfish chess engine  
U Asmi, AS Prihatmanto, R H Silalahi. IEEE. Dec 01, 2016

Komparasi Algoritma Pengurutan untuk Penerimaan Peserta Didik Baru Kota Bandung  
Ryan H. Silalahi, Tati Suprpti. Universitas Jenderal Achmad Yani. Apr 01, 2015