

Gunawan Wijaya

Personal Information

Degree: Bachelor's Degree in Computer Science
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Career Summary

5 years of experience in Software Development, creating:

- Internet of Things
- Cross inter web widget
- Elegant, robust, maintainable & scalable API
- Both Functional Programming & OOP

Focused on low CPU, low memory, & low latency web & mobile app on slow internet network to deliver good quality UI/UX for everyone.

Technical Expertise

Languages: JavaScript, PHP, Node.JS, Shell

OS:

- Bash on Windows (Casual) – you know Steam and such
- Linux (Development) – the gear of war, no Homebrew, no Chocolatey

Stack:

- React / Vue (currently exploring hyperHTML, the next big thing)
- SCSS (I don't use bootstrap / bulma, flexbox & grid complement each other)
- Express with GraphQL
- MongoDB (Atlas) & PostgreSQL (AWS RDS)
- AWS Beanstalk using Docker (prepping to move to ECS/EKS)
- Google Cloud for AI & ML stack like CloudVision & CloudML
- API-centric apps; do not `<? php` for view template, create static site if possible

Professional Experience

Pomona.ID, Jakarta, Indonesia

Sep 2017 – Present

Software Engineer (Backend, Frontend, Data, Product)

- Part of the core team that design the tech stack architecture.
- Projects
 - Main API, for WebApp (Express, Mongoose, Sequelize, GraphQL)
 - "Monakit", public microsite/widget builder that act as a bridge & tracker from external page (Handlebars, UglifyES; moving to hyperHTML)
 - "Bee", internal WebApp for Receipt Verifier (React)
 - "AutoLabel", internal API consumed by "Bee", prediction for text mining on Receipt Images (Python, TensorFlow)
 - "StreamCache", ongoing internal product for stream & cache (Kafka)
- Role
 - Rewrite API implementation from monorepo-monolith to multirepo-SOA; now integrating to monorepo-SOA for better code management
 - Designing DB model both MongoDB and PostgreSQL & design transactional method when catching an error
 - Docker all the things, from test to staging
 - Tracking bug from log files, ssh, to git log & diff
 - Utilize git reset for meaningful commit
 - Creating the API prototype on "AutoLabel", give advice to Data Team on algorithm & how the API behave
 - Involved in design product iteration, give advice to Product Team on interaction & user journey

Maven Lab Pte. Ltd., Singapore

Jan 2016 – Apr 2017

Analyst Programmer

- Manage day-to-day development processes, including testing and implementation, and ensure quality and timely delivery.
- Projects
 - "Lexus", Duke-NUS medical inventory stock logging system (Drupal)
 - "PanMalayan", pharmaceutical e-commerce (Magento)
 - "Prime Minister's Office Singapore" – Landing page, blog, update and various information on pmo.gov.sg (Drupal)
 - "NCCS under Prime Minister's Office Singapore" – National Climate Change Secretariat nccs.gov.sg/competition/nccc2016 design implementation (Drupal)
 - "CPIB under Prime Minister's Office Singapore" – Corrupt Practices Investigation Bureau cpib.gov.sg analyze and bug fix (Drupal)

Vi8e Interactive Pte. Ltd., Singapore**Sep 2015 – Dec 2015**

Front End Developer

- Develop theme and plugin based on WordPress from designer to used in CMS.
- Research and Development on new theme to be used in Yii based e-commerce platform in Giant Singapore.
- Projects
 - Online Registration Form for International Conference on Court Excellence, (WordPress, Yii)
 - Giant Online Singapore e-commerce beta theme research and development (AngularJS, Yii)

PT. Omnia Media, Bali, Indonesia**May 2014 – Jan 2015**

Web Developer

- Manage day-to-day development processes, including testing and implementation, and ensure quality and timely delivery.
- Developed themes and plugins for WordPress based website to be used in CMS as client requested, from collecting user's feedback to promotion system
- Projects
 - Design Implementation from scratch to live site for internal project such as Spotbyte SEO specialist, Omniascribes content editor, Barefoot web development, Ubudio recording studio, and WeDoAmazingVideos animation studio. (WordPress, Bootstrap)
 - Work in team for client project from Massimo Italian restaurant, dentist app for United States owned ToonDentistry, Australian owned villa booking system for Purimas Lombok, and product promotion for Buddyguard Thailand. Delivering quick mockup for 1-2 days and intensive follow up. (WordPress, Bootstrap)

PT. Agung Greenland Property, Bali, Indonesia**Nov 2013 – May 2014**

Lead Web Developer

- Manage day-to-day development processes, including testing and implementation, and ensure quality to convert user into customer.
- Managing Blog, Forum, and Gallery to be responsive and fast for user.
- Developed spam killer script in forum. Reducing from thousands of spam per month.
- Projects
 - Research and Development, testing and implementation from scratch to live site that consists of blog, forum, and gallery (PHP, Bootstrap)

Non-Professional Experience

Freelance

Jan 2015 – Sep 2015

- Provide business and technical analysis for easier management system for housing company and inventory stock tracking system.
- Job-hunting in Singapore for 3 weeks, doing test and interview from various company like Viki, Smove and Cialfo.
- Self-learning MongoDB + Express + AngularJS + Node.JS and also Ruby on Rails while tested on job-hunting and personal project.
- Projects
 - Research and Development for inventory stock tracking system in Surabaya, product and user management system for housing company based in Banjarmasin (PHP, Bootstrap, MySQL)
 - Interviewed and tested to develop GPS location based car rental tracker system by Smove Singapore (MongoDB, Express, AngularJS, Node.JS)
 - Interviewed and tested to develop mentorship education system with scrapper and data visualization by Cialfo Singapore (Ruby on Rails, AngularJS)

Final Project

Mar 2013 – Sep 2013

- Developed centralized home automation system using Raspberry Pi + Python; view logged data and remote control via web.
- Plan and design database, login flow, network, concurrent connection and daemon service for Raspberry Pi.
- Projects
 - Developed Raspberry Pi based home automation system with centralized control (PHP, Bootstrap, Python, MySQL)

Dual Internship

Sep 2012 – Jan 2013

- Provide business and technical analysis for easier hotel booking system with thousands of customer and transactions valued over USD10K per day.
- Convert email and text message booking system to new integration and reporting system for management purposes.
- Projects
 - Analyze, design, testing, and implementation of booking system for 2 of the best hotels in Kuta, Bali Padma Resort Bali and Discovery Kartika Plaza Hotel. Build integration with legacy email and text message booking system with fresh online form for customer and report for management (PHP, Bootstrap, MySQL)

Part Time**May 2012 – Jul 2013**

- Provide business and technical analysis for travel agent and education system. Develop low budget web with low cost hardware maintenance with high performance.
- Projects
 - Developed promotion website for Kata Ayo Membaca, pre-school education system with technical, design and methodology showcase that target parent (PHP, Bootstrap, MySQL)
 - Developed travel agent booking and scraping online with multi-agent hierarchy at national level at Expert Tour and Travel (PHP, Bootstrap, MySQL)

Education

Bachelor's Degree in Computer Science

iSTTS - <https://stts.edu>

Surabaya, Indonesia

Graduated on Nov 2013

Languages

English: Fluent

Indonesian: Native