Obed Tandadjaja

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SOFTWARE DEVELOPER - SECURITY ENGINEER - PROGRAMMER

SKILLS	Front-end Programming | Back-end Programming | Mobile Programming | Web Programming | Digital Forensics | Steganography | Cryptography | Cryptanalysis | Penetration Testing | Project Management | Tutoring | Multivariable Calculus | Linear Algebra | Advanced Probability | Databases | Research
PROGRAMMING LANGUAGES	Python | HTML | Java | JavaScript | Android | Laravel | MIPS Assembly | SQL | C# | Ruby | ML | PHP | Prolog | C++

PROFESSIONAL EXPERIENCE

MyManny
Chattanooga, TN
www.mymanny.com

SENIOR DEVELOPER (Aug 2016 - PRESENT)
- Handle all aspects of the web application, such as design, front-end and back-end architecture, testing, database, and integration with third-party applications, as well as direct and oversee two junior developers.
- Built the website's payment platform using Stripe from the ground up.
- Added 12 new features to the web app in only a month.
- Revamped the admin side of the application to flow better which increases the productivity of website administrators by 3 minutes every application.

METROPOLITAN MINISTRIES

Chattanooga, TN

WEB DEVELOPER (Oct 2015 - April 2016)
- Built a forum-based web application using Laravel and Flux.
- Formulated an algorithm to figure out the changes made to the forum each day, and send out the updates to the respective members of the forum.
- Enforced documentation and proper programming practices to other developers.

PROTÉGÉ
Chicago, IL
www.protege.xyz

FRONT-END DEVELOPER (May 2015 - April 2016)
- Initiated a non-profit startup that serves as a platform to connect people who are willing to help and community development projects.
- Developed the website's front-end displays and part of its back-end using Laravel, PHP, HTML, CSS, Javascript, and MySQL.
- Had no experience in Laravel and PHP beforehand but was able to learn and be productive after just 3 days.

COVENANT COLLEGE
Lookout Mountain, GA

COMPUTER SCIENCE DEPARTMENT TUTOR (Aug 2014 - Dec 2014)
- Tutored approximately 20 computer science majors with their various programming problems.
- Learned multiple people skills including active listening, patience, and effective communication/instruction.
- Students' lab grades improved 32.6% on average.

PT. PRO-INT DINAMIKA
Jakarta, Indonesia

SOFTWARE ENGINEERING INTERN (July 2014)
- Created an Android version of the company's web application.
- Developed the entire app in 2 weeks, handled databases and presented official demonstration of the app to employees.

PERSONAL PROJECTS

COVENANT COLLEGE RESUME-BUILDER

DEVELOPER (May 2016 - May 2016)
- Built an online resume builder for my college.
- Designed the whole functionality to be similar to the one that is used by http://www.internships.com
- Used Wicked_pdf to generate a PDF file from an HTML layout.

BATTLESHIP ONLINE GAME

DEVELOPER (Mar 2015 - May 2016)
- Created a battleship online game based on Ruby on Rails with my friends.
- In charge of the front-end design, authentication mechanism, AJAX handling, Websockets, and database management.
- Developed a game lobby system similar to that of an MMO game (party-leader kick/invite authority, and password protected lobbies).
- Used Websockets to invoke back-end code whenever a new lobby is hosted/destroyed, a new player just entered the lobby, when the game starts, and on each fire in game.
- Alpha-version hosted on Heroku: http://covenant-battleship.herokuapp.com

COVENANT COLLEGE COURSE SCHEDULER

WEB-APP DEVELOPER (Sept 2015 - May 2016)
- Built an advising web application to enable students to schedule courses without their advisor.
- Designed the front-end displays, creating and managing the back-end, outlining the database design, and setting up the site's authentication.
- Learned to use Ruby on Rails and acquired more skills in AJAX, front-end and back-end programming, and PostgreSQL.
- Beta-version hosted on Heroku: http://covenantadvising.herokuapp.com

ONLINE ART PORTFOLIO

WEB-APP DEVELOPER (Mar 2016 - Apr 2016)
- Developed a Ruby on Rails application for displaying my friend's artworks and projects.
- Used multiple RoR plugins such as PaperClip for managing images, Devise for authentication protocol, and Friendly-ID for slugs.
- Made an admin configuration page similar to WordPress for my friend to easily manage the content of the website.
- Demo website hosted on Heroku: http://jenniferwiriawan.herokuapp.com

WEBSITE CHECK SCHEDULER

WEB-APP DEVELOPER (Apr 2016)
- Made a web application that checks an e-commerce website whether the item is available or has the price gone lower than a certain price. The application will notify me through email when it does.
- Using Watir and phantomJS to visit the website and then parse the HTML elements using Nokogiri and wrap it around a custom rake task. A scheduler will then run the rake task every ten minutes.
- Hosted on Heroku and running on the Rails framework.

HMAR BIBLE APP

ANDROID DEVELOPER (Feb 2016 - Mar 2016)
- Working with missionaries in Burma to develop an Android Bible app for some parts of the country that are banned from having a Bible.
- Developed the back-end architecture and algorithm along with the database design and handling.
- A slight modification from my Indo/English Bible app.

MEMORIES WEB-APP

WEB-APP DEVELOPER (Jan 2016 - Feb 2016)
- Made a web application that displays a timeline of interaction (exchange of messages and pictures) between two people on Facebook and iChat.
- Used Facebook and iChat API to obtain the data, changed its format to be queryable, fed the data to the database, and displayed it as a timeline.

- Built a URL query handled by AJAX that updates the timeline to the next twenty interactions or direct it to a certain date.

INFINITE-SCROLL TIMELINE AJAX PLUGIN

JAVASCRIPT DEVELOPER (Jan 2016)
- Developed an infinite scroll Javascript plugin that uses AJAX to obtain more data and append it to the timeline.
- Worked with JQuery and CSS.
- Heavily modified timeline plugin from CodyHouse to interact well with the infinite scroll functionality.

POCKET TOOL

ANDROID DEVELOPER (Sept 2015 - PRESENT)
- Created a utility Android app that makes all your daily tools to be available in one simple app.
- Mobile App design and development.
- Devised algorithm for converting various units. Designed a Java program to extract dictionary data in xml, txt, and HTML to SQL inserts.

INDO/ENGLISH BIBLE

ANDROID DEVELOPER (May 2015 - Aug 2015)
- Programmed an Indonesian/English Bible Android app for daily use.
- Constructed database design. Extracted content from outside source.
- Experimented with flat UI design and incorporated it to the app.

SIMPLE DICTIONARY

ANDROID DEVELOPER (May 2015 - Aug 2015)
- Published a Dictionary Android app that translates multiple languages.
- Made a Java program that extracts dictionary data from HTML files and feed it to the database. Developed efficient SQL queries and inserts to database using bulk insert wrapped in a single transaction.
- Mined more than 130,000 records of dictionary data for various language translations.

LIGHTSYS TECHNOLOGY

CODE-A-THON PROGRAMMER (May 2015 - Aug 2015)
- Created a language-learning Android app for a dying Russian dialect.
- Worked together in a team of four and finished the app in just 3 days.
- Experienced interaction with clients. Collaborated with developers from different backgrounds. Assigned as head of project.

CUSTOM ALARM

ANDROID DEVELOPER (Aug 2014 - Dec 2014)
- Built a Custom Alarm Android app that turns off once the user solves a math problem.
- Experimented with Android Infrastructure and XML.

EDUCATION

COVENANT COLLEGE
Lookout Mountain, GA
2013-2017

BACHELOR OF ARTS, Computer Science
Software Development and Cyber Security concentrations.
Mathematics minor.
GPA: 3.94
Chattanooga Technology Council Scholarship 2016 Recipient

Coursework
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