Address

38/6-22 High Street
Mascot NSW 2020
Australia

Mobile & Skype

+61 421 935577
rod.xavier.bondoc

Mail

hello@rodxavier.com

Web & Git

rodxavier.com
github.com/rodxavier

Technologies

Python, HTML/CSS,
Ruby, PHP,
Bash/Shell, Javascript,
Perl, PostgreSQL,
MySQL, SQLite,
Redis, InfluxDB,
Amazon Web Services

Rod Xavier Bondoc

Software Engineer

Experience

Jan 2015 - Present
Piran Digital, Sydney, Australia   Senior Software Engineer
- Develop web applications and services
- Triage and fix errors on applications, databases and servers
- Benchmark existing technologies and make recommendations based on results
- Implement clients' feature requests
- Integrate 3rd party applications to web applications
- Deploy client applications and install different server and database requirements
- Perform code review on different projects

May 2014 - Dec 2014
Bytecode IO, Manila, Philippines   Software Engineer
- Write ETL(extract-transform-load) scripts for clients' data warehousing processes
- Integrate clients' applications with 3rd-party APIs
- Code scripts for analyzing server and database logs
- Research and propose different technologies and propose solutions based on clients' needs

Feb 2013 - May 2014
Blackbird IO(formerly PalominoDB), Manila, Philippines   Software Engineer
- Troubleshoot performance and availability issues
- Perform complete systems reviews and recommending and implementing solutions
- Perform project level work including planning and execution
- Help implement and follow appropriate Incident, Change, Problem, and Capacity management processes
- Define systems architecture and implementation of new solutions, technologies, and tools to meet strategic client business goals

Jun 2012 - Jun 2013
Piran Digital, Manila, Philippines   Software Engineer
- Develop web applications and services
- Implement clients' feature requests
- Integrate 3rd party applications to web applications
- Write technical documentation for deployment and requirements installation

May 2012 - Feb 2013
Save 22, Manila, Philippines   Software Engineer
- Use Django to develop web application software
- Use git to manage feature branches and coordinate version releases
- Provide technical direction to support business requirements
- Implemented a RESTful interface using Django
- Interfaced with an external JSON/XML API

Jan 2011 - Feb 2012
Icannhas, Manila, Philippines   Software Engineer, Intern
- Use Django to develop web application software
- Coordinate with clients and gather requirements

Education

2008 - 2012
Bachelor of Science in Computer Science, Cum Laude   University of the Philippines
Computer Security Group
Title of the Research: "SOUL System: Secure Online USB System"
Advisers: Prof. Susan Festin, Philip Zuniga

Publications

SOUL System: Secure Online Login System

Abstract   Emerald Group Publishing Limited
Most websites today use a one-factor authentication scheme involving only usernames
and passwords. This scheme is prone to password- cracking attacks, key loggers, and
HTTP sniffing. The SOUL System is a secure online authentication system which involves
a two-factor authentication scheme using a password and an ordinary USB flash drive as
a security token.

The three main entities involved in the system are the website, USB token, and trusted
third party. The website must be integrated with the web API provided and registered to
the trusted third party to allow USB login. The USB token is an ordinary USB flash drive
that contains downloaded files including portable encryption software and an encrypted
volume. It must be registered to the trusted third party so that it can be used to register
and login to USB login enabled websites. The trusted third party stores and provides the
public keys to both the USB login-enabled website and the registered USB token. It allows
immediate deactivation of user accounts if the USB token gets lost, corrupted or stolen by
an attacker.

*The proposed design is a low cost alternative to existing commercial USB tokens
and a more secure alternative to the existing username-password login scheme.*

Projects

UPQuest PH
A question and answer site built on Python and Django

iTeks, Webgeek Devcup 2012
A site that sends SMS in bulk for certain events such as calamities(ie. floods, earthquakes)
or promos/sales for stores

DealCloser, Webgeek Devcup 2013
An e-commerce application that allows users to buy, sell and trade items using the browser
or an iPhone

OpenPSE, https://github.com/rodxavier/open-pse-initiative
an open-source project which aims to store end-of-day quotes from the Philippine Stock
Exchange and make it publicly available via a REST API.

Activities

Speaker
- Get Caught! Spooling the Threads of the Inter-Web: Django Development, Pamantasan ng Lungsod ng Maynila(2012)
- PyLec: Python Lecture Series, University of the Philippines - Diliman Association for Computing Machinery(2012)
- Web Application Engineering, Pamantasan ng Lungsod ng Maynila(2012)
- Introduction to Python, Technological University of the Philippines(2013)
- Introduction to Big Data and Hadoop, University of the Philippines-Diliman Association for Computing Machinery(2014)

Exhibitor of SOUL System
- National Science and Technology Week 2012
- Paliwanagan sa UP Diliman 2012

Participant
- WebGeek PH DevCup 2012 and 2013
- RootCon 6 Hacker Conference
- Geeks on a Beach 2014
- 2009 ACM Intercollegiate Programming Contest Asian Regionals - Manila site