FULL STACK WEB DEVELOPER · .NET/PYTHON DEVELOPER

Villahermosa, Tabasco, MEXICO

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Ingeniería Aplicada OnePro S.A. de C.V. - consulting to Compañía Mexicana de Exploraciones S.A. de C.V.
Villahermosa, Tabasco, MX

FULL-STACK WEB DEVELOPER & .NET/PYTHON DEVELOPER   *Mar. 2016 - Present*

- Implemented a military cooperation system which is web based real time messenger in Scala on Lift.
- Improved functionality on military command and control system for incident response with Java Servlet.
- Lead engineer on agent-less backtracking system that can discover client device's fingerprint(including public and private IP) independently of the Proxy, VPN and NAT.

Pemwork SAPI de C.V. - consulting to Compañía Mexicana de Exploraciones S.A. de C.V.
Villahermosa, Tabasco, MX

LEAD FRONT-END WEB DEVELOPER & .NET DEVELOPER   *Apr. 2015 - Mar. 2016*

- Developed in Cocos2d-x an action puzzle game(Dragon Buster) targeting U.S. market. Implemented API server which is communicating with game client and In-App Store, along with two other team members who wrote the game logic, designed game graphics.
- Won the 2nd prize in final evaluation.

Compañía Mexicana de Exploraciones S.A. de C.V.
Villahermosa, Tabasco, MX

WEB DEVELOPER & .NET DEVELOPER   *Jul. 2014 - Apr. 2015*

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Grupo Empresarial Syfors S.A. de C.V.
Saltillo, Coahuila, MX

WEB DEVELOPER & PHP/ANDROID DEVELOPER   *Sep. 2013 - May 2014*

- Researched means of retrieving a corresponding video based on image contents using image similarity algorithm.
- Implemented prototype that users can obtain torrent magnet links of corresponding video relevant to an image on web site.

Freelancer.com
Remote

FREELANCE WEB DEVELOPER & PHP/PYTHON DEVELOPER   *Jul. 2012 - Jun. 2013*

- Performed research memory management strategies of OS and implemented in Python an interactive simulator for Linux kernel memory management.

Centro de Investigación en Química Aplicada
Saltillo, Coahuila, MX

GRADUATE RESEARCH IN <NUMERICAL SIMULATION OF POLYMERIC MATERIAL SYNTHESIS>   *Apr. 2011 - Sep. 2012*

- Developed a proxy drive smartphone application which connects proxy driver and customer. Implemented overall Android application logic and wrote API server for community service, along with lead engineer who designed bidding protocol on raw socket and implemented API server for bidding.

Centro de Desarrollo Tecnológico IDESA
Coatzacoalcos, Veracruz, MX

UNDERGRADUATE INTERN   *Feb. 2009 - Jul. 2010*

- Conducted penetration testing on SAMSUNG KNOX, which is solution for enterprise mobile security.
- Conducted penetration testing on SAMSUNG Smart TV.

Skills

Programming	Python, C/C++, Scala, JAVA, Node.JS, OCaml, LaTeX
Web	Django with Python, Express with Node.JS, HTML5, LESS
Languages	Korean, English, Japanese, Chinese

Education

POSTECH(Pohang University of Science and Technology)   *Pohang, S.Korea*

B.S. in Computer Science and Engineering   *Mar. 2010 - PRESENT*

- Got a Chun Shin-Il Scholarship which is given to promising students in CSE Dept.

Side projects

d3-polytree   -

Core developer   *Apr. 2016 - Present*

- Gained expertise in penetration testing areas, especially targeted on web application and software.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.

Conekta.io client for .Net   -

Core developer   *Feb. 2015 - Present*

- Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smartphone, CCTV and set-top box.
- Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual Hacking Camp.

Highcharts4Net   -

Core developer   *Aug. 2010 - Present*

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.