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<http://francisregan.info>

ADVANCED SOFTWARE ENGINEER

Hands-on Engineering Advisor – Enterprise Applications & Web-Facing SaaS Solutions

- **Multilayered Engineering expertise in Web and Business Software arenas**
- **Product revitalization for Market Leaders such as IBM, OCBC etc.,**

A strong and resourceful Senior Software Engineer who can think "out of the box" for solving critical IT problems in an organization. Greatly result-oriented, customer-focused and can articulate himself well through strong communication and verbal skills. Expertize in .NET, Java and PHP technologies. Skilled in developing business plans, requirements specifications, user documentation and architectural systems research. Interested to work for an organization where I can use all my skills and expertise to the fullest. Proficiencies include,

- ⇒ **Scalable and Flexible Software Solutions**
- ⇒ **Project Management & Technical Guidance**
- ⇒ **Customer Support & Satisfaction**
- ⇒ **Usability Design and Localization Standards**
- ⇒ **Pre-Sales consulting**
- ⇒ **Outsourced Team Management**

Education

Master of Technology (Software Engineering) National University of Singapore (NUS)	2012
Diploma in Management (DM) Madras University, India	2010
Bachelor of Engineering – Computer Science Anna University, India	2009

Professional Experience

Advanced Software Engineer (Aug 2013 – Till now)	Pirate3DP Limited.
Senior Software Engineer (May 2012 – Aug 2013)	Signbox Microsystems Private Limited
IT Analyst (1.5 years)	ZEiSys Technologies Private Limited

Achievements at Pirate3D – 3D printing

- **Windows app for communicating with the printer (C# and C++)** <http://pirate3d.com/windows>
- **R&D - Torrent based network file sharing in the buccaneer 3D printer (Java)**
- **R&D – Implementing file aging algorithm to automatically flush files from the printer. (Java)**
<http://users.soe.ucsc.edu/~elm/Papers/cm99.pdf>
- **R&D – Implementing automatic update on the printers, authenticated with the signature generated by Elliptic Curve Cryptography (Java)** <http://cs.ucsb.edu/~koc/ccs130h/notes/ecdsa-cert.pdf>
- **Writing the Propeller (brain of the printer) – A generic interface which communicates with all types of user interfaces (Java)**
- **Customizing the slicing engine Cura (Python)**
- **Driver to communicate with the serial port of the printer. (Java)**

Achievements at Signbox Microsystems – Digital Signage Domain

- **R&D - Restructuring and integrating facial recognition "Intel Aim-suite" with digital signage.**
- **Re-architecting and prototyping Signbox 4.0**
- **R&D - Integrating SML players to the wide range of products with digital signage**
- **Development of Emergency response signage solutions**
- **Restructuring and integrating Facebook to digital signage**
- **Managing outsourcing vendors for individual software development projects**

Achievements at ZEISys – Logistics Domain

- *Gathering Requirements and assisting engineers in prototyping*
- *Produced working prototypes with RFID, Barcode and GPS*
- *Co-coordinating the testing procedures between the developers and software testing team.*
- *Product enhancements and new feature implementer.*
- *Software Training and UAT assistance for the customers*

Other activities

- **Pre-sales** consulting for clients
- Managing **outsourcing vendors**
- Experience in several phases of testing such as **Stress Testing, UAT, Integration**

Technical Skills

Category	Software / Tool / Technology
Languages/ Technologies/ Frameworks	Android, C++, C#, Microsoft .NET, Java, J2EE, HTML, PHP, CSS, JavaScript, JQuery, XML, AJAX, NUnit, WPF, WCF, JUnit, SPRING, HIBERNATE,.Net 2.0/ 3.5/ 4.0/ 4.5, VB.net, C++ Wrappers, .Net MVC 2 and MVC 3
Application Software	Visual Studio 2008, 2010, 2012, 2013, Eclipse, Android studio, Net-beans and QTP
Tools	MS-SQL/ Ms-Office/Visio/ Share point, GIT, VSS/ mySQL, Eclipse, Oracle 10 and 11
Related Technologies	Media Codecs, GPS, RfiD, Barcode, Android
Quality Functions	Risk Management, Process Compliance, GQM
Domain Knowledge	Digital Signage, Logistics and supply chain management, Disaster recovery systems, Public Sector consumer goods

Personal Details

Date Of Birth	17 Feb, 1988
Marital Status	Single
Languages Known	English, Tamil, Malayalam, French (Basics), Hindi (Basics)
Nationality	Indian
Personal Interests	CrossFit
LinkedIn	http://sg.linkedin.com/pub/francis-regan/15/134/47b