

Ramsey D'silva

145 Mutual Street, #1109, Toronto, Ontario, M5B2K5

Cell: 647 448 8477, Email: ramseysilva@gmail.com

Profile

- Aerospace engineer with software background. Programming (5yrs), Lead (2yrs), Aerospace (2yrs)
- Accustomed to working on large projects. Thorough, personable, skillful communicator
- Seeking a role in software developer/architect

Work Experience

Lead Developer/Software Architect - Bombardier Aerospace (Aug '12 - Jan '14)

- Led a web development team that worked closely with the logistics and integrated planning departments of the Global 7000/8000 business jet developmental program.
- Study and identify inefficiencies in processes, suggest, develop and deploy simple, straight forward time and cost cutting web tools, for use within the program and successively company wide. Built architectures which are able to ingest a high volume of data, store and index it, and provide it in a low latency capacity. Interface with SAP, other ERP tools. Wrote and reviewed both client-side, server-side and database level code.
- Excellent communication required to liaise between management, employees, and developers to ensure everyone's needs were fulfilled. Conducted workshops, user acceptance testing, training and documentation, powerpoint presentations. Actively involved in go-look-sees, problem solving and team building activities. Familiarity with various Business Intelligence and reporting tools (ex. MicroStrategy). Implement and assist in change management efforts.
- Proficient in Microsoft OS, Command line, Git, Visual Studio, SQL Management studio, Reusable .NET dll modules, Team foundation server, SAP, IIS server, ASP.NET, ASP MVC, IronPython, C#, JavaScript, JSON, XML, SQL. Thorough understanding of MVC, OOP and SDLC. Expert in 6 sigma, lean engineering, Agile and Scrum.
- Two tools that I saw from start to finish:
 - FTVCDL: A highly performant, secure and interactive web application that maintains preliminary attributes of A/C components in the absence of a fully deployed SAP module. Large amounts of data was entered and managed for 8 developmental aircrafts (FTVs) and 6 production aircrafts. This application was deemed program critical and resulted in huge time and cost savings for the company, ensuring a timely first flight.
 - MaterialMaster: A web application that streamlines and coordinates workflow shared among cross functional teams for data input into SAP. Previously email was used for this purpose. This application reduced time taken to complete a task from 3-4 days to 1-2 hours.

Web Developer (Nov '09 - Aug '12)

- Project estimation, requirements gathering
- Team management, task allocation, code reviews, writing code
- Server development and deployment utilizing Python/Django/Linode/Fabric/PostgreSQL
- Monitoring and supporting live sites during maintenance and high traffic periods

- Co-ordinating release cycles, testing
- Maintaining and improving best practices
- Trapeze Media (June '12 - Aug '12) - Backend python developer (TDD, continuous integration). Participated in coding sprints, pair programming, project reviews/post mortems etc.
- PixelCode (Dec '10 - May '12) - Founded the web development company, hired, trained and headed a team of 4 web developers. Managed day-to-day operations of the company, set up internal/client infrastructure, web/email hosting, scaling/load balancing etc. Liaised between clients and development teams in ensuring all project requirements were met. Utilize/contribute to open source software.
- LushConcepts Inc (Nov '09 - Nov '10) - Developed cross browser compatible sites/apps for clients such as Adobe, Mazda, Capgemini, Cadbury, Dentyne, Winners, UofT, Virgin Mobile and many other high profile clients.

Performance Analyst (Intern) - Pratt and Whitney Canada (Summer '07 & '08)

- Conduct Pro-cert certification of various processes in order to achieve UTC ACE Gold Certification for the PW300 - PW600 series assembly line.
- Statistical analysis of various engine test cell data (using minitab) to investigate ways to minimize HPT vibrations in engines thereby increasing efficiency and reducing noise.
- Created Macros using VBA to execute and simplify repetitive and time consuming tasks on Microsoft Excel. Acquired working knowledge of SAP, CATIA and engineering drawings.

Expertise

- Languages: HTML/HTML5, CSS/CSS3, Javascript, PHP, Python, C#, VB, Bash, C, Java including various open-source libraries and frameworks
- Databases: Mysql, PostgreSQL, Sqlite, MongoDB, NodeJS, MS Access
- Library/Frameworks/APIs: ASP MVC, .NET, Django, Scrappy, Meteor (JS), BackboneJS, AngularJS, EmberJS, Express (node), Yii, Joomla, Wordpress, less, twitter bootstrap, flatui, jquery, twitter/facebook graph database, google maps, various RESTful APIs
- Servers: Apache, Nginx, Cherokee, Comet servers (Tornado, Hookbox), Varnish (cache)
- Tools: Subversion, Git, Mercurial, Firebug, FTP, SMTP (postfix), vnstat, GEOS, GeoIP, TOR, memcache, solr, sphinx, rabbit-mq, supervisord, cpanel, WHM, plesk, active colab, google office suite of tools, OAuth/Windows authentication etc. Deployment tools like fabric, vagrant, puppet.
- Software: SAP ERP, Fluent, MATLAB, Simulink, Minitab, PowerPoint, Microsoft Office, Photoshop, VIM, Komodo, Eclipse, Engineering tools like AutoCAD, CATIA V5, Google Sketchup
- Operating Systems: Windows (98, XP, '07), Ubuntu, CentOS, Solaris, OS X, iOS, Android

Education

Bachelors of Aerospace Engineering - Ryerson University (Sep '05 - May '09)

- Opted for the Aircraft stream and passed out with a GPA of 3.33
- Displayed a keen aptitude for programming and robotics in university projects
- Served as peer supporter and mentor for new and sophomore Aerospace engineering students.

University Projects

Cansat 2009 - Mini Satellite design team

- Hardware team the prestigious mini-satellite design competition sponsored by NASA.
- The job of the CANSAT was to collect, telemeter and evaluate two-way, real-time data such as GPS location, latitude, longitude, health of satellite etc. by use of RF channel via data relay network and ground station control.
- Autonomous Navigation Technologies and use of solar power was also being implemented.
- Skills enhanced in chip board design, switching, Visual Basics, C, and data transmission. Systems management, leadership and organizational skills were tested.
- Ranked 5th out of 25 universities that participated across North America.

Extra Curricular

- Enjoys music and plays the piano, violin, guitar. Landscape and abstract artist. Intermediate at Muay Thai and holds a taekwondo Black-Striped belt. Widely travelled.

References available upon request