

## GEORGE JOSE

<http://www.georgejose.com> | <https://github.com/G2Jose> | <https://ca.linkedin.com/in/g2jose>

Technology Consulting, Deloitte. 2014 University of Waterloo Mechatronics Engineering Graduate

### WORK EXPERIENCE

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#### **Deloitte, Technology Consulting, Jan '15 – Present**

- Leading Canadian PAS Insurance Client
  - Enterprise Architect on a digital transformation project
- MEAN PoC
  - Designed and built a full stack web application using MongoDB, Express, Angular, Node.js
- Rubix by Deloitte ([www.rubixbydeloitte.com](http://www.rubixbydeloitte.com))
  - Explored applications of blockchain technology in Enterprise; Evaluated viability of several open source blockchain platforms
  - Managed two developers, defined & executed on overall strategy & roadmap
  - Prototyped distributed application on Ethereum
- Top 5 Canadian Bank
  - Performed day to day program management; coordinated program cost and work effort estimation

#### **Rockwell Automation, Engineering Intern, Quality, Oct – Dec '12**

- Reduced defects per unit in Medium Voltage Drives from 10.2 -> 7 using Pareto analysis, Process Failure Mode Effect Analysis (PFMEA)
- Greatly simplified root cause analysis by developing quality analysis tool using Python, VBA

#### **Toyota Motor Manufacturing Canada (TMMC), Software Developer Co-op, Jan – Apr '12**

- Designed & implemented tablet-based solution using J2EE to optimize annual inventory process; increased efficiency by ~50%, leading to cost savings of ~\$200k+ annually

#### **2Source Manufacturing, Manufacturing Engineering Co-op, May – Aug '11**

- Designed and built an internal request management system using PHP, MySQL, HTML & JS in order to streamline process leading up to manufacturing

- Built a database to manage parts using MS SQL Server & C# with graphical front-end

### RELEVANT PROJECTS

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#### **Live TTC Map** - Personal project

- Designed & built system to show real-time locations of Toronto streetcars & buses  
*Technologies used: jQuery, Node.js, Google Maps API*

#### **Apple Watch Stocks app** - Personal project

- Designed & built a simple portfolio management app for Apple Watch  
*Technologies used: Swift, Node.js, Yahoo Finance API*

#### **3D Laser Scanner** - 4<sup>th</sup> Yr. Engineering project

- Designed and built low cost laser sensor capable of modeling its environment and objects around it in 3 dimensions. Point cloud data is streamed to computer in real time wirelessly over UDP  
*Technologies used: Raspberry Pi, Arduino, C++, Matlab, Meshlab, image processing, UDP, ZigBee, Motors, Optical encoder*

#### **Facebook Like-meter T-shirt** - 2014 Facebook Hackathon

- Designed and built low cost laser sensor capable of modeling its environment and objects around it in 3 dimensions. Point cloud data is streamed to computer in real time wirelessly over UDP  
*Technologies used: Raspberry Pi, Python, Facebook API*

#### **Real-time Operating System (RTOS) – MTE 241 Project**

- Designed Programmed Real Time Operating System (RTOS) on top of UNIX; Implemented concurrency, timing services, process scheduling, inter-process communication & other features  
*Technologies used: C/C++, Algorithms & Data Structures, \*nix*