Andrew Gapic

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Languages: Javascript, SQL, Python, Java, C/C++, HTML/CSS

Technologies: Linux (Ubuntu, Kali), UNIX, Git, SVN, PostgreSQL, Oracle, Node.js, Handlebars.js, Parse, Grails, Android Studio, Bootstrap, IntelliJ, Burp Suite, IDA, Brackets, jQuery, Angular.js, Dokku

Interests: Information Security, Web Applications, Varsity Track and Field, Powerlifting, Toastmasters

Experience

- **Canadian Blood Services**   Ottawa, ON
  Software Developer   *May 2015 - Sept. 2015*
  - Developed and designed a Grails web application from scratch; migrated Lotus Notes data to Oracle and set up a relational database as the backend.
  - Created user cases and continuously prototyped applications using the agile development methodology.
  - Implemented the Google Maps API on several applications and solved a critical SSL certification issue.

- **Tech Retreat**   Waterloo, ON
  Organizer   *April 2015 - Present*
  - Organized and planned a summer hackathon and learnathon for over 150 high school students.
  - Coordinated event logistics and facilitated team work and discussion between participants.
  - Created infosec challenges (CTFs) to emphasize the importance of security in web applications. Code available on Github.

- **State Street**   Toronto, ON
  Pricing Specialist   *Sept. 2013 - Sept. 2014*
  - Designed several applications using VBA, increasing productivity by over 50%.
  - Performed due diligence on potentially incorrectly priced securities using the Bloomberg and Reuters pricing terminals.

Side Projects

- **Abracadabra**
  http://abra.andrewgapic.com   *2015*
  - Wrote a Node.js web application that analyzes item changes over a major patch for League of Legends using a sample size of 400,000 matches.
  - Designed the frontend using HTML, CSS, jQuery, and Handlebars.js
  - Implemented the backend by storing 400,000 API requests in a PostgreSQL database and deployed the application using Dokku
  - Code available at https://www.github.com/agapic/abracadabra

- **The North Bank**
  https://github.com/agapic/HTN-2015-ARG   *2015*
  - The North Bank is a CTF created for Hack the North with a team of four people.
  - Implemented a tree of six servers as nodes which held a public key (or flags). Key concepts involved include integer overflow, TCP/IP, the Shellshock exploit, hash functions, and race conditions.

Education

- **University of Waterloo**   Waterloo, ON
  Candidate for Bachelor of Software Engineering   *Sept. 2014 - Present*