Dmitry Gubanov

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SKILLS

OS Windows, Unix/Linux, Mac
Programming/Languages Java, JavaScript, C, Go, Python, Perl, PHP, HTML, XML, CSS, SQL
Frameworks/Technologies AngularJS, Node.js, MongoDB
Source Control GitHub, Subversion, Rational ClearCase
Methodologies Scrum, Agile

EDUCATION

University of Toronto, St George. Honours B.Sc., Computer Science and Mathematics. (2010 - 2017)
  Computer Engineering (2010 - 2012), Computer Science and Mathematics (2012 - 2017). Final GPA: 3.2.

RELEVANT WORK EXPERIENCE

DevOps: Systems Admin and Software Developer at IBM Canada. (16 months, from May 2015 to August 2016).
- Worked with a team in an Agile environment with daily Scrum meetings.
- Wrote many Perl and Bash scripts to automate everyday tasks
- Created the frontend for a web application from scratch using AngularJS and HTML.
- One of the main contributors to a REST API written in Go/golang
- Debugged code and test cases written in C, Perl, and Java, while interfacing with their developers.
- Managed hundreds of Linux/Unix/Solaris servers used in automated testing.
- Developed requested features in PHP and Perl for the testing tools.

PROJECTS

Budget Macros *(on GitHub under 'budget-macros')*. Individual Personal Project.
  A Python script which uses Dynamic Programming to pick the cheapest meal plan satisfying a set of caloric and macronutrient restrictions. Akin to a 'multidimensional and unbounded knapsack' problem.

Stock Portfolio Backtester *(on GitHub under 'portfolio-backtester')*. Individual Personal Project.
  A Python program, with a modular design, which backtests indicator-based stock trading strategies using data from the Google Finance API. Additional features include periodic rebalancing, contributions, and withdrawals. Gives portfolio statistics as well as charts portfolio performance, yearly returns, and asset allocations.

The Tasters *(on GitHub under 'the-tasters')*. Group School Project.
  A Yelp-like website where users can rate and review specific meals at restaurants. Has a fully functioning backend using Node.js, ejs templating, and MongoDB; and frontend using services written in JavaScript. Styled and animated using CSS to conform to Material Design standards. Developed the entire frontend and half of the backend.

Cookie *(on GitHub under 'cookie')*. Individual Personal Project.
  An Android two-person game, inspired by those "relationship coupon" gifts, in which either person draws a reward (from a fortune cookie) for which the other will be responsible. Implemented backend, including a SQLite database, and tested it with JUnit. Work in progress.

Student Mark Organiser *(on GitHub under 'simple-school-agenda')*. Individual Personal Project.
  A basic Android application which keeps track of all your assignment marks and calculates your course marks and GPA based on assignments entered; i.e. simplifies the 'I need X marks on assignment Y to get Z average' calculations students do every term.