Hemal Patel

Computer Science and Business Administration | 3A
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SKILLS

- <u>Programming Languages</u>: C++, Java, Shell Scripting, Perl, Python, Ruby SQL, Javascript, XML, HTML, CSS, Objective-C, C#
- <u>Frameworks & API's:</u> REST, Django, Rails, Cocoa, Bootstrap, JSON, Apache Click, Facebook API,
- OOP, Linux/Unix Architecture, DB2, Oracle DB, PostgreSQL, MySQL, PostgreSQL

WORK EXPERIENCE

National Bank Financial Ltd.   Toronto, ON

Application/Business Analyst, Global Equity Derivatives   (Jan 2014 – April 2014)

- Supported front office traders within the global equity derivatives department across Toronto, New York, Dublin and Montreal
- Increased front office trading volume on alternative trading systems, such as EquiLend, by up to 90% by making old processes more efficient
- Travelled to Montreal to work with settlements team to develop reporting solution and automate the Mark-to-Market manual process, effectively saving 4 hours of manual work per day
- Resolved close to 100 production issues under high pressure and stress environments

IBM Canada Ltd.   Markham, ON

Student-on-Call, DB2 for Linux/Unix/Windows   (Sept 2013 – Dec 2013)

- Investigated test and code defects related to latest DB2 build
- Ensured that all test buckets associated with the latest fix-pack are running clean and maintained the latest software build
- Rewrote and implemented test cases related to newly implemented features in Perl and C

IBM Canada Ltd.   Markham, ON

DB2 QA Developer Intern, DB2 for Linux/Unix/Windows   (May 2013 – Sept 2013)

- Developed test cases in Perl to test update, rollback, and backup features of DB2
- Communicated effectively with business clients to develop plans to add features to the DB2 software that increased efficiency in their organizations
- Developed Java code to add security and analytic features for DB2 Administration

VOLUNTEER EXPERIENCE

Waterloo Banking Project   Waterloo, ON

Senior Director   (Oct 2012 – Present)

Nspire Innovation Network   Toronto, ON

Web Developer and Software Engineer, Nspire Platform   (July 2013 – Dec 2013)

EDUCATION

University of Waterloo and Wilfred Laurier University   Waterloo, ON

Candidate for Bachelor of Computer Science and Bachelor of Business Administration   April 2017

SOFTWARE PROJECTS

- Developed an iOS mobile application and a server backend in ruby-on-rails to recognize Estimote-iBeacon's and collect distance data to implement and improve proximity based marketing – storetracker.herokuapp.com
- Budgeting tool web application – uplan.waterloobanking.com
- Non-real time tetris game in C++ with X11 graphics
- Chess made in C++ with X11 graphics and various levels of computer artificial intelligence