SPURRYA JAGGI

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SKILLS

General:
Java, C#, C++, C, Python, Javascript, MATLAB

Front-end:
Angular, Bootstrap, jQuery, Underscore

Back-end:
SQL, MongoDB, Node.js, Tomcat

Tools:
Git, SVN, RabbitMQ, LINQ, Powershell

Testing:
Chai, Mocha, Selenium

Embedded:
PLC, FPGA, Keil, Arduino

Developing:
Embedded Systems, Data Analysis, Software Architecture

LEADERSHIP

Alumni-Student Networking Director

Was responsible for organizing an event where alumni and students can interact with each other. Increased the popularity of the event by 250%.

COMPETITIONS

Capture The Flag 1 & 2

Hack The North 2015
Second team to complete a series of programming challenges.

WORK EXPERIENCE

Software Developer — DBRS

- Enhanced analyst productivity by implementing full-stack features on an internal web app using MVC, Angular and Entity Framework.
- Combined custom Excel plug-ins using NInject, enabling analysts to directly push spreadsheets to a production database.
- Verified Oracle and SQL Server mapping using C# scripts and, re-mapped over 2000 mismatched entries.

Tech: C#, MongoDb, Microsoft SQL, Anugular, Powershell, Excel DNA, LINQ

Web Developer — KnowRoaming

- Developed a GUI based test framework using JavaFX to manage company webpages, allowing developers to create automated test suites more quickly.
- Developed a full-stack web app to keep track of packages mailed to clients.
- Implemented unit tests in Chai and Mocha to debugging.

Tech: Java, JavaFX, SQL, JDBC, Selenium, JavaScript, Bootstrap, jQuery, PHP, Chai, Mocha

Security Analyst — Maple Leaf Foods

- Aggregated security statistics using Selenium web-cralwer saving 10 man-hours/week.
- Exposed to several security concepts such as penetration testing.

Tech: Java , Selenium , FireEye, IronPort

PROJECTS

Hardware

- **Pebilepsy**- Won top pebble award at Hack the North by developing a nocturnal epilepsy tracker and prevention Pebble application.
  Featured On : Hacker News, Challenge Post , Med Gadgets
- **Sensor Calibration-** Calibrated an ultrasonic sensor using Python to fit a curve which accurately informs the length of an object placed infront of it.
- **Fuel Cell Car-** Programmed a MSP430 microcontroller in C attached to a fuel cell car to control it to travel along a race track
- **NXT Robot-** Programmed a robot in RobotC using NXT to find and retrive objects on the floor.

Web and Android

- **Crib** - Web Application for landlords and students in large groups to help discuss and negotiate more easily implemented using Node.js, Socket.io and Branch.io.
- **FindMe-** Android application that retrives information about any store on Google Map including information such as email, hours, contact information
- **Temperature Map-** Allows the user to visually see the current temperature on world map