Sidhant Sharma

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http://sidhantsharma.net

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SKILLS

SOFTWARE

•Java •C •C++ •Python
•HTML5 •CSS3 •JavaScript
•SQL •NoSQL •Bash •Git
•Sass •MATLAB

Frameworks, Libraries, & Tools:
•React •Node •Flask •Express
•React Native •MongoDB
•PostgreSQL •Multithreading
•JUnit •AJAX •TCP/IP

Familiar with:
•Docker •Spring •AngularJS
•JQuery •Groovy •Apache Tomcat
•Jenkins

HARDWARE

•Arduino •VHDL •ARM ISA
•Oscilloscopes •Power meters
•Signal Generators

Knowledge of:
•Computer Architecture/Interface
•Parallel processing •ISR •DMA
•Operating systems •Buses

EDUCATION

3A COMPUTER ENGINEERING

Cumulative Average: 83%
May 2020 | Waterloo, ON
University of Waterloo

INTERESTS

•Algorithms •Design
•Full-Stack Development
•Embedded Systems •Cricket

ACTIVITIES

•Soccer and cricket intramurals
•Director for Engineering Society

Scholarships

•Adel S. Sedra Scholarship
•Waterloo President's Scholarship
•Best Cricket Player Award

EXPERIENCE

CAPCO | SOFTWARE ENGINEERING INTERN

Sep 2017 – Dec 2017 | Toronto, ON

- Built a Java goal tracker feature for an online banking platform that allows 10k+ users to set aside money for a specific item
- Introduced caching mechanism to over 30 endpoints which increased overall retrieval speed by 60%
- Developed a Python batch job which corrected and transformed 25k+ invalid customer documents
- Implemented REST API which sends notifications to customers for scenarios such as late credit card payment

IBM CANADA LTD. | SOFTWARE DEVELOPER

Jan 2017 – April 2017 | Markham, ON

- Created React application that leveraged GitHub services to allow 200k+ users to elegantly manage their codebase
- Improved efficiency of bash script to decrease deployment time by more than 20%
- Built REST endpoints to validate and store millions of user credentials
- Redesigned MongoDB database schema to improve data retrievability by 10%

HUBHEAD CORPORATION | JAVA/JAVASCRIPT DEVELOPER

May 2016 – August 2016 | Markham, ON

- Developed Java plug-in that automatically finds errors in users' data and suggests them to fix it
- Built UI data form using AngularJS to allow users to manually change properties of each data entry
- Performed dynamic SQL queries to extract data based on user input
- Created selenium tests using WebdriverIO to uncover and identify software defects

PROJECTS

SOCKET PROGRAMMING (C)

Created reverse proxy which can handle multiple client and server requests simultaneously

RENT ME (React, Node.js, MongoDB)

Built an application which allows rental of various household and electronic appliances, using Cloudinary for storage of images

RATE IT (React Native, Flask, MySQL)

Allows users to mark and review popular events on a map by integrating Google Maps API. They can search and filter these activities based on the proximity from their location

FOODIE – HACK THE SIX 2017 (React, Express, MongoDB)

An application which gives home chefs a platform to market and sell their food. Users can filter chefs by location and cuisine type

WEB SERVER ANALYSIS (C++)

Simulated the working of a web-server. Used linked lists and priority queues to build an analyzer that determines statistics of a web server