Vishaal Shah-Chittur

Systems Design Engineering

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Experience

Software Development Intern
All Blue Solutions Inc
Dallas, TX 2018

- Core backend API and product development for ngDesk
- Wrote diverse microservice packages with Java, MongoDB, Redis to support Spring Boot app running Apache Kafka
- Created web scraper system with jsoup and db2jcc4 to aggregate/pull large volumes of new client EMR data
- Built main messaging interface with push notifications (AWS) through publish/subscribe model (STOMP.js)
- Generated scripts to automate parsing of IBM external sales CSV's into internal SugarCRM (MariaDB)

Application Developer
Kenna
Mississauga, ON 2016 - 2017

- Full stack development with MS SQL Server and IBM Lotus Notes platform, utilizing Domino Designer IDE
- Worked within several client modules, created and updated various functionalities for tools
- Designed and developed dynamic interfaces for users
- Built backend PDF generation system for client warranties
- Wrote and debugged document queries with LotusScript
- Manipulated SQL data structuring to streamline load times
- Optimized SFTP network using Java (JSch API)
- Coordinated leads during department scrums

IT Analyst
Toronto-Dominion Bank
Toronto, ON 2016

- Parsed data from several TD branches to tabulate Monthly Operational Report metrics for bank retail and email users
- Wrote Python script with Splunk API to search and retrieve cloud data for thousands of TD VM's
- Consulted for visualization techniques in informational reporting and proposal decks
- Automated scheduled spreadsheet processing with Excel VBA and reworked team macros to deliver faster solutions

Education

University of Waterloo (Class of 2021)
Candidate for Honours Systems Design Engineering (BASc)

Awards: President's Scholarship, Motorola Eng. Scholarship

Relevant courses: Computation, Human Factors in Design, Digital Systems, Data Structures and Algorithms

Glenforest Secondary School (2011-2015)
International Baccalaureate Diploma

Graduating Average: 95%

Skills

Technical
Languages & Frameworks
Java (Maven), Python, C++, VBA, LotusScript, HTML, CSS, JavaScript (jQuery, Angular), XSP/XML, PHP, Bash (cron), Arduino, Git, REST, Elasticsearch, MQTT

Databases & Servers:
SQL, IBM DB2, Notes, MySQL, MongoDB, Apache Tomcat, WebSphere Liberty, Domino

Personal
- Social & networking
- Communication
- Quick learner
- Leadership
- Strategy & planning
- Analysis

Creation:
Sketch, SolidWorks, Logic Pro X, Adobe Photoshop, Flash, MS Office Suite, Eclipse, PyCharm

Projects

Dream Team Pong
Developed ping pong game using Python and QtGUI interface

Dicejack
Built Blackjack simulation implementing various hardware configurations with Arduino UNO

Kōan – Hack The North 2016
Panic attack prevention app built with MUSE Headband SDK, using Python, Firebase, Ruby on Rails, node.js, Twilio API

Extra curricular and Volunteering

Leadership Developer (2013-2015)
Peel Students' Presidents Council
- Coordinated activities with hundreds of regional students at overnight leadership conference for holistic development

Youth Committee Ambassador (2015)
Multiple Sclerosis Society of Canada
- Worked to bring issue and awareness of MS to forefront of youth in community
- Organized event campaigning and design, led sales team

Activities and Interests

- Lifeguarding (12 years of swim experience & qualifications)
- Drawing and design
- Videography
- Music
- Writing
- Economics
- Powerlifting