SALMAN SYED

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EDUCATION

UNIVERSITY OF WATERLOO
B.SE. in Software Engineering
Expected April 2018
Waterloo, ON

UNIVERSITY OF WATERLOO
B.S. in Life Sciences (switched out)
September 2012 - December 2013
Waterloo, ON

SKILLS

LANGUAGES
Python • Java • JavaScript • SQL
Ruby • C/C++ • Go • HTML • JSP
CSS • MATLAB

FRAMEWORKS
Django • Node.js • Express.js • jQuery
AngularJS • Bootstrap • Jersey • JUnit
Scrapy • Pygame

TOOLS
Git • Android Studio • AWS • Docker
Jupyter • Apache Spark • Vim • Eclipse
Visual Studio • Periscope • PostgreSQL
SQLite • MongoDB • Redis • Oracle DB

COURSEWORK

- Algorithms
- Data Structures & Data Management
- Concurrent & Parallel Programming
- Operating Systems
- Foundations of Sequential Programs
- Software Engineering Principles
- Logic & Computation

AWARDS

2013 - Faculty of Science Dean's Honours List
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2012 - Dominic DiDomizio Scholarship
2012 - Top 25% in Canada for Euclid Mathematics Contest
2012 - Top 25% in Canada for Hypatia Mathematics Contest

EXPERIENCE

GAMETIME UNITED | Data Engineer
January 2017 - April 2017 | San Francisco, CA
- Developed algorithm in PySpark which reads ticket dataset from S3 and generates relative seat rankings used to optimize the pricing of future tickets
- Responsible for entire stack of Spark job: provisioned and automated creation process of EMR cluster, cleaned and processed ticket data, tested and visualized on Jupyter, served final seat ranking to S3
- Wrote multiple Ruby ETL jobs to automate process of transforming data from third-party APIs and storing in an S3 bucket and Redshift table
- Migrated ETL process to Docker by developing interface to run legacy ETL jobs as tasks on ECS clusters
- Designed new push notification service written in Python using Pinpoint to create targeted campaigns leveraging user data from S3 and Redshift

CONNECTED LAB INC | Software Engineer
May 2016 - August 2016 | Toronto, ON
- Led a team of 3 developers in integrating the main Android application with customized Bluetooth Low Energy beacons
- Designed application to periodically scan for and communicate with nearby beacons and store beacon data in SQLite database
- Implemented frontend and backend logic to enable users to efficiently search and filter for beacon data

ORACLE CORPORATION | Software Developer
September 2015 - December 2015 | Toronto, ON
- Developed, tested, and maintained multiple Oracle Marketing Cloud web applications currently present in the marketplace
- Implemented applications to handle leads from Eloqua's REST API, render the webpage, and faciliate communication with third-party APIs
- Developed various unit tests using JUnit in order to maximize code coverage
- Implementation in JSP/CSS/jQuery (frontend) and Java/Jersey (backend) with an Oracle Database using WebLogic servers

EVERTZ MICROSYSTEMS LTD | Software Design Engineer
January 2015 - April 2015 | Burlington, ON
- Designed and developed expansion of Python JSON-RPC API for the DreamCatcher Replay System based off of client specifications
- Provided extensive test coverage for the API using Python and Bash scripts

RELATED PROJECTS

TeachSphere Built social platform using Node.js for Ontario teachers to share professional insights and best practices regarding the curriculum (won first place at the ASN Open Data Challenge Hackathon hosted by D2L)

Property Listings Classifier Built and trained ternary classifier using scikit-learn and pandas to predict interest level of new property listings

NBA Engine Developed Django application which allows users to find the latest stats and highlights of NBA players

LearnSearch Implemented Node.js application which enables users to search for open online courses and tutorials of leading educational organizations from a single source

More projects available at https://github.com/sahmadsyed