RAMANDEEP FARMAHA

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4th Year Systems Design Engineering Student

SKILLS

Programming	Java, Python, C++, Matlab
Web Development	Javascript, HTML5, CSS3, AngularJS, Handlebars
Backend	Spring, JDBC, AWS (Kinesis, S3, DynamoDB, SQS, Lambda, EC2, Aurora) Heroku, Tomcat, Flask, ActiveMQ, Spark
Data Science	NLTK, scikit-learn
Databases	Cassandra, MySQL, SQLite
Development	Git, Bash, Jenkins, Vim

EXPERIENCE

Sep 2016 – Dec 2016   **Software Engineer** – **Veeva Systems**
- Designed and built a high-throughput event publishing system that streams serialized event data from local servers to AWS using Kinesis
- Developed and added new features to Java-based SQL parser
- Designed and migrated user services from existing Rackspace solution to AWS

Jan 2016 – May 2016   **Software Engineer** – **Kik Interactive Inc.**
- Built an open-source Java implementation of Blockhash image algorithm
- Developed and built pipelines for user data scrubbing and aggregation using AWS CloudFormation and Elastic Beanstalk

May 2015 – Aug 2015   **Software Engineer** – **Seeq Corporation**
- Developed multithreaded performance testing framework for Seeq's custom Java Cassandra drivers
- Automated Seeq application and Cassandra cluster deployment on AWS

Sep 2014 – Dec 2014   **Web Developer** – **Raymond James Ltd.**
- Created financial calculators using AngularJS and Bootstrap
- Developed JSON-based document database tool with AngularJS

PROJECTS

Wikipedia Summarizr	Flask web app that uses NLP to automatically summarize Wikipedia entries
Mus.IQ	Song-guessing game Kik bot; pulls from Spotify API, built using Flask
Midnight Sun Solar Car	Business Lead − Internationally compete in the World Solar Challenge and American Solar Challenge

EDUCATION

Sep 2013 – May 2018   **B.A.Sc in Systems Design Engineering** - University of Waterloo − 3.8 GPA
- Relevant Courses: Machine Intelligence, Pattern Recognition, Data Structures and Algorithms

Summer 2015   **Scalable Machine Learning -** University of California, Berkeley edX − A grade

INTERESTS

Hip-hop head, basketball and fitness junkie, film geek, and avid reader