**Mikael Dubik**

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*Graduate Computer Scientist with 5+ years of professional programming in backend systems. Interested in working in backend infrastructure and data ingestion. Possess a wide variety of technical skills and have excellent interpersonal communication abilities. Have Agile/Scrum training and enjoy working in a team but also work independently.*

**PROFESSIONAL EXPERIENCE**

**Marorka Reykjavík, Iceland**

*Data engineer October 2017 – Present*

* AWS systems integration (AWS ApiGateway, Lambda and EC2)
* Responsible for ETL data pipe design and implementation (Apache Kafka, Kafka Streams, Confluent platform)

**Uppsala University Reykjavík, Iceland**

*Master thesis January 2017 – September 2017*

* Published a paper on comparison of 3 different unsupervised clustering algorithms of social networks, implemented in C++11.

**Dohop Reykjavík, Iceland**

*Backend engineer May 2013 – August 2015*

* Microservice implementation and management (Python, Python-Twisted, Apache Zookeeper)
* Data extraction and web crawling (Python, Javascript V8). Content team leader.
* Web Service monitoring (Zabbix)

**University of Iceland Reykjavík, Iceland**

*Research and development May 2012 – August 2012*

* Part of a group working on virtual environment for crisis management training to complement live exercise training (C#, Unity3D)
* Voice recognition software integration into game world (CMUSphinx)

**EDUCATION**

**Uppsala University** **Uppsala, Sweden**

*MSc in Computer Science, September 2017*

* Graduated with focus on Graph analysis

**University of Iceland**  **Reykjavík, Iceland**

*BSc in Computer Science, February 2014*

* Graduated

**ADDITIONAL SKILLS**

* Programming Languages
* Python, C++11, Java 8, MATLAB, R, C#
* Proficient in Ubuntu Linux and Microsoft Windows
* Use git regularly
* Proficient with debuggers pdb, gdb and probe tracing technology dtrace, systemtap.
* Databases: MySQL, MSSQL, postgres, Redis, DynamoDB
* Other technology: Apache Kafka, Kafka Streams, Zookeeper, AVRO, Confluent platform, Javascript V8, Zabbix, Prometheus, AWS services (APIGateway, Lambda, EC2, RDS)

**REFERENCES**

**Matteo Magnani** **Uppsala, Sweden**

*Senior lecturer at Department of Information Technology, Uppsala University*

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**Steindór Sigurðsson** **Reykjavík, Iceland**

*Director of Research and Development, Marorka*

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**Kristján Bjarnason** **Reykjavík, Iceland**

*CTO, Dohop*

* kgb@dohop.com, +3545614848

**Ebba Þóra Hvannberg** **Reykjavík, Iceland**

*Professor at Faculty of Engineering and Computer Science, University of Iceland*

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