

Aigars Reiters

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A Software Engineer with experience in agile software development, big data, cloud infrastructure and extensive linguistic proficiency is seeking a role to further develop his current and acquire new skills.

EDUCATION

- **University of Glasgow** Glasgow, United Kingdom
BSc(Hons) Software Engineering; First Class degree 2014 – 2018
 - **Tuneable Impulse Counter for Mobile Devices (BSc dissertation):** a Dilated Convolutional Neural Network (CNN)-powered Android application that can count sounds in real-time produced by numerous sound sources in an acoustically complex environment. Included building a dataset, researching and trying possible NN architectures and existing approaches and building an automated training and evaluation pipeline.
- **Agenskalns State Grammar School** Riga, Latvia
Certificate of General Secondary Education; GPA 9.0/10 2010 – 2014

EXPERIENCE

- **Amazon** Edinburgh, United Kingdom
Software Development Engineer Sep 2018 - Present
 - **Global Talent Management:** Initiated and lead several projects, built scalable and performant data pipelines to support HR tools.
 - **Personalization:** Built Spark ETL jobs and ran experiments on a deep-learning based recommender for the Amazon retail website worldwide. Gained ML experience by pairing with Machine Learning Scientists.
- **Eyebright Ltd.** Glasgow, United Kingdom
Software Engineer Sep 2016 - Jun 2017
 - **Pricing tool:** A tool that allows analysts to quickly identify the best utility provider and plan for customers based on their consumption patterns and requirements. Automates a process that was prior done by manually scanning spreadsheets.
 - **Website:** WordPress website and its infrastructure created in-line with the company's re-branding effort, with future self-service operations in mind. Worked with the head of marketing to showcase dense information following best UX and security practices.
 - **IT Support:** Setup and maintained infrastructure: Linux servers, scheduled data backups, employee machines with Microsoft stack - Windows, CRM and Office Suite, Outlook mail.
- **School of Computing Science, University of Glasgow** Glasgow, United Kingdom
Research Assistant Jul 2016 - Sep 2016
 - **JUDO - "Join on Unstructured Data" Operation:** Library for performing SQL-like join operations on textual fields based on document similarity rather than an exact match. Powered by Apache Lucene for rapid querying.
 - **CATI - Clinically Aware Text Input:** Proof-of-concept tool to assist in the writing of medical reports with the aim of reducing error rate, inconsistencies and increasing productivity. Provides real-time text input suggestions based on past medical reports.

TECHNICAL SKILLS

- **Languages:** Java, Python, Scala, Bash, SQL
- **Technologies:** Extensive AWS experience, Apache Spark, Anaconda suite, TensorFlow/Keras, Apache Lucene, Version Control (Git), Unix
- **General:** Reading and analysing academic publications.

LANGUAGES

- **English** - Bilingual (C2)
- **Latvian** - Native
- **Russian** - Native
- **Japanese** - Beginner