

MICHAEL WATTERS

Please ask @ email 

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SUMMARY

Back-end Software Engineer with 2 and half years' experience working on applications querying large Datasets, as part of Reporting and Analytics Team in Ad Tech. Currently finishing off a BSc in Computing Systems at the University of Ulster, while working 4/5 days per week.



EMPLOYMENT (~ 2.6 YEARS IN SOFTWARE ENGINEERING)

Software Engineer 1 | SpotX, acquired by Magnite

FEBRUARY 2021- PRESENT – PART TIME (32 - 40 HOURS PER WEEK)

- Functional Scala API's, surrounding Reporting and Analytics and custom reporting in Ad Tech.
- Working with Apache Druid (A Large volume Database).
- Data processing via Airflow, for Apache Druid (Python).
- Converting legacy Reporting infrastructure from MySQL to use Apache Druid via Scala API's.
- Adding Tickets in JIRA to manage Bugfixes and Stories.
- Error Monitoring via Graylog.

Trainee Software Engineer | SpotX

June 2019 - February 2021 – Part Time (32 - 40 hours per week)

- Same as above role.
- Scala Integration Testing for API's.
- Smoke testing Code to Pre-release and Production.

Software Engineering Intern | SpotX

Jan 2019 - June 2019 – Full Time (37.5 hours)

- Various Functional Scala API's, in Ad Tech.

Various Roles | Agri-food and Bioscience Institute

Jan 2019 - June 2019 – Full Time (37 hours)

- Microbiology, Milk and Meat products.
- Sensory Evaluation.



PROFESSIONAL TECHNICAL EXPERIENCE

Languages and Formats – Functional Scala, Python, PHP, Apache Druid Native Queries, JSON, SQL and some Bash experience.

Technologies and Frameworks – Apache Druid, Airflow, MySQL, Docker, OpenShift, Helm.

Other – Git, Gerrit, JIRA, Jenkins, SonarQube, Postman, Grafana, DBeaver, IntelliJ, Graylog, MacOS. Unix Terminal, Swagger/OpenAPI, SQLPro, Slack.

Workflow – Agile, Kanban.



NON-PROFESSIONAL TECHICAL EXPERIENCE

Languages and Formats – Java, Python, Scala, C, C#, HTML, CSS, JavaScript, R, XML, OOP Principles.

Technologies and Frameworks – React, VueJS, R Studio, ThreeJS, ASP.NET, Arduino + Embedded Systems.

Other - Windows, Linux (Ubuntu and Mint), Gnome Terminal, Raspbian, MS Teams.



EDUCATION

BSC Computing Systems | Ulster University

Sept 2019 – present, finished in summer 2022, 4 modules remaining

- Pending, currently at a 1st.

Foundation Degree, Software Engineering | Belfast Metropolitan College

Sept 2017 – June 2019

- 1st with distinction.

Biological Sciences | Queens University Belfast

Sept 2012 – August 2014

A-level + GSCE | Royal Belfast Academical Institution

Sept 2005 – June 2012

- Biology - A, Geography – A, History – B
- 8 GSCEs A-C (English C, Math B)