

Leo Kravtchin

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EXPERIENCE

Business Intelligence Engineer I, WW Compliance Analytics

May 2024 – Present
London, United Kingdom

Amazon EU SARL (UK Branch)

- Supported in external legal escalations and internal audits, providing data analytics
- Managing and optimising an AWS Redshift cluster with 1PB of data and 100+ users
- Built an automated pipeline enforcing 1MM non-compliant offers per day, de-risking GMS
- Avoided EPR fee overpayments through historical data analysis and forecasts
- Created a QuickSight dashboard with 300+ active users, saving 10 hours/week
- Automated email alerts sent to 250+ selling partners per week in case of non-compliance
- Mentored an intern to get hired and deliver data automation projects for the team

Business Intelligence Engineer Intern, EU Supply Chain Execution

Dec. 2023 – Apr. 2024
London, United Kingdom

Amazon EU SARL (UK Branch)

- Analytics and automation for Supply Chain inventory planning based on demand forecasts
- Created a QuickSight dashboard used by 50+ users, saving 100 hours per week
- Deployed pipelines to AWS Lambda and Glue functions, decreasing latencies by 20%
- Business Review metrics automations using SQL ETL, saving 5 hours per week

Data Engineer Intern, ERP Offer

June 2023 – Aug. 2023
Dusseldorf, Germany

METRO Markets GmbH

- Data analysis and machine learning reports for internal stakeholders, saving 10 hrs/week
- Set up new data pipelines for automated performance analysis of internal systems
- Version control on production code, big data, agile methodologies, DevOps collaboration

Data Analyst Intern, ERP Offer

June 2022 – Dec. 2022
Dusseldorf, Germany

METRO Markets GmbH

- First-response and post-mortem of incidents, enabling detection of 25K faulty orders
- Created an application for hourly data insights deployed in Google Cloud Kubernetes
- Automated performance monitoring using Grafana and Slack alerts, increasing coverage by 50%

EDUCATION

The University of Edinburgh

Artificial Intelligence and Computer Science (BSc Hons.), First Class

Sep. 2019 – May 2023
Edinburgh, United Kingdom

Dollar Academy

Scottish Higher: AAAAA in Computer Science, Maths, Physics, Biology, English

Aug. 2018 – May 2019
Dollar, United Kingdom

PROJECTS

Snippet - A3 | Python, PostgreSQL, MongoDB, Docker, Google Cloud, Jenkins, CI/CD

Jan 2023 – Apr 2023

- Web search engine for 10MM Spotify podcast transcript snippets in a team of 6
- Ranked information retrieval (<0.5s), semantic search, topic modelling, and query expansion

RecognisED - A1 | Python, TensorFlow, Keras, Scikit-Learn, Firebase, Git

Sep 2022 – Jan 2023

- Mobile app for real-time human activity recognition from wearable sensors in a team of 3
- Deep learning (94% classification accuracy), app with step counts and historical data

BSc Thesis - A2 | Python, TensorFlow, Scikit-Learn, PM4Py, Prophet, Git

Sep 2022 – Apr 2023

- Published paper: "Detecting Long-Term Deviation and External Factors Correlations in Activities of Daily Living Based on Sensor Data"
- Machine learning, clustering, process mining, and forecasting of 15MM sensor data points

TECHNICAL SKILLS

SQL: Internal ETL, Redshift SQL, SparkSQL, MySQL, PostgreSQL, Apache Impala, MongoDB

Python: TensorFlow, Keras, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn, PM4PY

AWS: CDK, QuickSight, Redshift, Athena, S3, Lambda, EC2, Glue, boto3, CloudWatch, EventBridge

Tools: Internal CI/CD, CLI, Git, JavaScript, React, Flask, Docker, Excel