

Leo Kravtchin

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Mid-level Business Intelligence and Data Engineer with 3+ years of experience, delivering scalable software across Amazon, METRO Markets, and startups. Proven track record across FinTech, compliance, and supply chain. Specialised in Python, AWS, and SQL for data automations, processing terabytes of data daily, saving over 20K annual hours. Master's degree in Computer Science and Artificial Intelligence from the University of Edinburgh.

EXPERIENCE

Business Intelligence Engineer II

Jan. 2026 – Present

Amazon - Finance Accounting Technologies

London, United Kingdom

- **Python, AWS, and SQL** development of data automation microservices, **saving 20K+ hours**
- Set up AWS Glue ETL and Lambda **CI/CD and CDK** pipelines across 3 environments
- Improved infrastructure through CloudWatch and DynamoDB logging for 65+ engineers
- Full **software development lifecycle**, 10+ code reviews per week, raising the technical bar
- **Leading** the fixed assets and leasing accounting automations, **supervising 2 junior BIEs**
- Leadership and stakeholder management, owning the team roadmap and tech infrastructure

Business Intelligence Engineer I

Dec. 2023 – Dec. 2025

Amazon - Finance Accounting Technologies, Ops Risk Compliance, Supply Chain

London, United Kingdom

- Data analytics and automations across 6 domains, delivered 3 VP goals and 120 requests
- Optimised costs for 4 AWS accounts with **2 PB Redshift clusters** and 300+ daily users
- Supported 10 external and 2 internal audits with QuickSight dashboards and data analysis
- Avoided \$2.2M in fees and **de-risked \$1B of revenue** through proactive process automations
- Built a pipeline **taking down 1M+ non-compliant offers** from the marketplace per day
- **Mentored** a BIE intern to get hired and deliver data automation projects for the team

Data Engineer

Jun. 2022 – Dec. 2023

METRO Markets - ERP Offer

Dusseldorf, Germany

- **Python, SQL, and Google Cloud** for machine learning, data analysis, and automations
- Improved performance monitoring by 50% using JavaScript, Grafana, and Slack bot alerts
- Created Python **data pipelines** for diagnostics of internal systems, increasing uptime by 25%

EDUCATION

The University of Edinburgh

Sep. 2024 – May. 2025

Master of Informatics (MInf Hons.), 2:1

Remote

- Master's thesis: Interpretable **Machine Learning** for ICU Length of Stay and Mortality Predictions
- Member of the **Data Science** Unit, supporting PhD research; ML and Deep Learning courses

The University of Edinburgh

Sep. 2019 – May 2023

Artificial Intelligence and Computer Science (BSc Hons.), 1:1

Edinburgh, United Kingdom

- Bachelor's thesis: Detecting Long-Term Deviation in Activities of Daily Living Based on Sensor Data
- Member of the **AI Modelling Lab**; **Software Development** and Data Science team projects

PROJECTS

DelphAI - Amazon Agentic AI Hackathon | *Python, React, Bedrock, Lex, SageMaker, Amplify*

Dec. 2025

- Web app for adding documents to a **RAG** model and **MCP** server used through an **LLM chatbot**
- Saved \$10k across 4000 ETL jobs through automated codebase redundancy and similarity analysis

SlackOracle - AWS GenAI Hackathon | *Python, Bedrock, OpenSearch, Lambda, API Gateway*

Sep. 2025

- Q&A Slackbot using an **LLM**, **RAG** knowledge base, and **OpenSearch** for internal chat histories
- Saved 3000 hours and \$30k in time savings, deployed the app company-wide through AWS CDK

SKILLS

AWS: Lambda, Glue, S3, Redshift, Athena, DynamoDB, QuickSight, CDK, CI/CD, CLI, boto3, Bedrock

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

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

Tools: Git, JavaScript, TypeScript, Airflow, React, Vue.js, Flask, Docker, Java, SDK, API, Excel

AI/ML: RAG, MCP, QuickSuite, Q, Kiro, LLMs, agents, forecasting, classification, clustering, deep learning