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 data automations
- Improved performance monitoring by 50% using JavaScript, Grafana, and Slack bots alerts
- Prevented 40k faulty customer orders using SQL and Python analysis during on-call support
- Created Python data pipelines for diagnostics of internal systems, increasing uptime by 25%
- Saved 50 hours per week through Power BI dashboards and forecasting reports for leadership

EDUCATION

The University of Edinburgh
Sep. 2019 – Jun. 2025

Master of Informatics (Hons), Computer Science and Artificial Intelligence, 2:1 — *Edinburgh, United Kingdom*

- Master's thesis: Interpretable Machine Learning for ICU Length of Stay and Mortality Predictions
- Bachelor's thesis: Detecting Long-Term Deviation in Activities of Daily Living Based on Sensor Data
- Member of the Artificial Intelligence Modelling Lab and Data Science Unit, supporting phD research
- Software Development, Data Science, Machine Learning, and Deep Learning courses and 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, SageMaker
Python: TensorFlow, PyTorch, Keras, Scikit-Learn, PySpark, Pandas, Polars, NumPy, Matplotlib, Seaborn, PM4PY
SQL: ETL, Redshift SQL, MySQL, PostgreSQL, SparkSQL, Apache Impala, MongoDB, NoSQL
Tools: Git, JavaScript, TypeScript, Airflow, React, Vue.js, Flask, Docker, Java, Spring Boot, SDK, API, Excel
AI/ML: RAG, MCP, QuickSuite, Q Developer, Kiro, LLMs, agents, forecasting, classification, clustering, deep learning