Anes Motam
Junior Data Engineer

London | 07383 535 433 | anesmotam@outlook.com
LinkedIn | GitHub

Personal statement

I am an enthusiastic problem-solver who excels in team-based environments by bringing an analytical and empathetic perspective. I believe I can make a profound contribution to your organisation by leveraging my skills and experience to inform and drive decision making. Over the past few years I have successfully built and developed software; communicated my ideas at different levels of complexity and led analytical projects to produce tangible outcomes. As data becomes more pivotal to how we make individual and collective decisions, I aspire to help build systems that can leverage the wealth of data available to create a more sustainable and prosperous society.

Technical Skills

Programming/Code: Python, JavaScript, R programming language
Cloud: AWS, including EC2, Lambda, RDS, Cloudwatch, IAM, AWS API usage via command line and SDK
DevOps: Terraform, CI/CD (GitHub Actions)
Data: intermediate/advanced SQL, Postgres, database modelling, normalisation, warehouse design, advanced excel skills including VBA
Design patterns: Star Schema warehouse, data lake, Lakehouse, mesh
Methodology: Agile/Scrum, Trello

Experience

Northcoders – Data Engineering course   Jun 2024 – Sep 2024
- I developed vital coding skills and learned about industry best practice for building data applications. These include: Test-Driven Development (TDD), pair programming and coding best practice.
- Utilized SQL and various database clients to query, transform, and manage complex datasets, enhancing data integrity, validate data sources. Additionally, I learned the best practices for deploying servers using APIs to allow users to interact with in-house data in a secure and robust fashion.
- Utilized AWS EC2 for deploying scalable virtual servers, RDS for managing relational databases, and S3 for secure and scalable data storage.
- Implemented AWS Lambda to execute code in a serverless environment, automating tasks and data processing, and used AWS Athena to query large datasets directly from S3, enabling efficient and scalable data analysis.
- Managed version control and automated workflows using GitHub CI/CD, ensuring seamless integration and continuous deployment.

Assistant Economist & Statistician – Department for Environment, Food and Rural Affairs   Jan 2022 – May 2024

- Provided evidence and analytical support on a range of policy areas where I clearly communicated the requirements and drawbacks of different approaches to quantifying potential policy impacts. This experience developed me into an adept team member who strives in multidisciplinary teams.
- Gained hands-on modelling experience both on Excel and R, as well as using modelling software such as the SMT. The most important application being the NAPCP model which summarised separate pieces of analysis to provide various breakdowns of projected emissions based on actual government policies.
- In my final year at DEFRA, I transitioned from solely being an economist to a hybrid economist-statistician role. Working with the statistics team, I used Reproducible Analytical Pipeline (RAP) principles to automate the publication of government air quality statistics releases.

Junior Data Analyst – Leading Point   Aug 2021 – Dec 2021

- Created an interactive automated dashboard using VBA programming for the marketing division. The team were impressed by how easy it was to gain valuable insights on the performance of the company's social media pages using the tool.
- Supported the marketing team in expanding the company's client database so that the marketing team could tailor their outreach towards their targeted audience.
- Presented a monthly summary of the social media engagement and performance to the wider team.

Freelance tutor – MyTutor   **Oct 2020 – Oct 2021**
- I assisted secondary school pupils with their Maths and English GCSEs and monitor their progress to ensure they meet their target grades.
- Communicated closely with school staff to identify areas of weakness and fast track progress.

Education

University of Warwick – BSc Economics with Honours (1ˢᵗ Class)   **Oct 2017 – July 2021**
- Overall performance: 73%
- Studying economics was a lifelong ambition of mine stemming from an early interest in the economy and economic issues affecting my community. During university, I was actively involved in the Islamic Society and Warwick Football Club which allowed me to meet likeminded people from various backgrounds.
- I developed both my theoretical and practical skills and became trained as an economist. Some of the skills and knowledge I picked up include: statistical and economic analysis, econometrics and empirical skills, conducting my own research project among others.
- My research project in my final year gave me an opportunity to apply my skills to contribute to a chosen field of literature. I conducted a review using survey data from Ethiopia of the relationship between natural disasters and economic outcome. This opportunity taught me how to work independently and also how to present my ideas effectively and aesthetically.

Queens Park Community School   **2010 - 2017**
- A2: A*AB in Maths, Further Maths and Economics
- GCSE: 5A*s, 4As and 2Bs (Including an A* in Maths and an A in English Language)

Hobbies & Interests

- My favourite past time is playing football and I help bring others into the sport by organising weekly sessions for people in my community to stay active. I have played football at an advanced amateur level and also was a captain for my university Islamic Society. Through my time as a player I have grown into a confident leader and team player as well as becoming more resilient under high pressure situations.
- As an active member of my community I participate in many voluntary causes and organisations. One of them being the National Algerian Centre (NAC) which is a UK-based organisation that organises events throughout the year to bring people together through food and culture. Over the years, I have been an event manager and logistics lead using my interpersonal skills to secure venues and catering for our events.
- One of my most proud accomplishments was starting a YouTube channel in 2023 where I created content aimed at self-improvement and fitness.