LUKE HENDERSON | Full Stack Engineer

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Summary

Data Science and Artificial Intelligence student with 2 years of Commercial Python Automation and Full-Stack Development experience and 3 years of IT service administration and process improvement. Skilled in problem-solving, teamwork, and customer service, with a strong entrepreneurial mindset. Experienced in Python, SQL, and cloud technologies (Google Cloud, Azure, and DigitalOcean) with a keen interest in business automation and Fintech solutions. Proven ability to analyze complex problems, develop scalable solutions, and collaborate with cross-functional teams, all whilst promoting and ensuring DevOps and AGILE principles, using tools within GitHub, GCP and Azure amongst others to keep a healthy flowing CI/CD pipeline. Currently building https://neuromoney.io a fintech web application as a passion project for Neurodiverse adults, applying both technical, project management and entrepreneurial skills.

Experience

Neuromoney.io [Founder / Full-Stack Developer] - [Newcastle / Remote] - [April 2024 - ongoing]
- Conceptualised, designed, developed, and launched a full Fintech web application independently, taking the product from idea to functioning platform over two years.
- Conducted user research and designed UX flows tailored to ADHD and autistic adults, focusing on cognitive accessibility, low-load interfaces, and predictable routines.
- Built a full-stack solution using **FastAPI, Python, MySQL, HTML, CSS, JavaScript and Chart.js**, with an emphasis on scalability, security, and clean architecture.
- Deployed and managed cloud infrastructure on **Google Cloud Platform**, including load balancing, storage, service hosting, and automated deployment processes.
- Integrated third-party APIs to extend platform capabilities and automate financial workflows.
- Managed all aspects of product development including technical development, project planning, milestone delivery, branding, and user onboarding experience.

Zynk Software Limited [Full-Stack Developer] - [Newcastle City Centre] - [April 2025 - June 2025]
- Integrated Sage Business Cloud accounting REST API's.
- Integrated Shopify GraphQL and deprecated REST API's.
- Helped build and stage a Cloud workflows solution utilising both API's for automating small business needs in 2 months as a team of two (Startup Style Environment).
- Completed regular demo's and testing with other parts of the team for ux design etc.
- Used Python, Django, Celery (Worker and Beat), Docker, Digital Ocean (For Cloud hosting and staging environments), MySQL database, HTML5 and Bootstrap CSS Frontend.

Cleardata UK Ltd [Automation Developer] - [Cleardata Blyth] - [April 2024 - March 2025]
- Automated data processing using Python and SQL, reducing manual workload by 20% when producing kpi warehousing reports.
- Refactored legacy code (Python 2.x/3.x) to modern Python 3.10, improving maintainability and performance.
- Collaborated with cross-functional teams to evaluate new technologies and integrate them into the existing tech stack.
- Utilized Azure DevOps for version control, CI/CD pipelines, and workflow automation.

TotallyGroup PLC [IT Service Desk] - [Vocare House] - [November 2021 - April 2024]
- Provided hardware and software technical support for employees, troubleshooting issues related to AD, MS Exchange, Office 365, Mitel telephony systems, Authenticators and VPNs.
- Managed user accounts, permissions, and security settings with AD and MS Exchange.

- Resolved ticketed IT service requests, ensuring timely and effective responses to maintain business continuity and SLA using freshworks.
- Delivered training and guidance to new IT Technicians during recruitment period.
- Ethically and Confidentially handled employee and Patient data when assisting employees.
- Used MS Excel to produce reports on IT equipment expenditure, WEEE etc.

Akzo Nobel 1 Month Summer Internship [IT] - [Ashington Site] - [June 2019]
- Used VmWare, Microsoft Exchange and Azure to monitor servers and users on site.

Extra Curricular Experience

Newcastle United FC [Turnstile Operator] - [ST James Park] - [November 2023 - December 2024]
Akzo Nobel [QC Production Operator] - [Akzo Nobel Ashington] - [June 2020 - September 2020]
FFP [IT / Flu & Covid Clinic Volunteer] - [Cramlington FFP Way] - [March 2019 - November 2022]

Personal Projects:

NeuroMoney Fintech Webapp for ADHD/Neurodiverse Adults [Full Stack Developer, Project Manager, Entrepreneur] - [Remote] - [April 2024 - Ongoing]
- Designed and built a Neurodiversity based Fintech web application with a Python (FastAPI) & MySQL backend with a Javascript, HTML, CSS and Chart.JS Frontend.
- Hosted and scaled application services using Google Cloud.
- Integrated third party API's to add functionality to certain parts of the application.

Celery Scheduled Task Manager Webapp [Full Stack Developer] - [Remote] - [March 2025]
- Designed and built a simple Scheduled Task Manager with automatic email notifications.
- Built using Python 3.12, Django 5, Tailwind CSS, HTML, Celery Beat, Celery, Docker, SQLite

Technical Skills

- Python
- SQL (MySQL and Microsoft SQL Server)
- HTML
- CSS
- Javascript
- DevOps
- Google Cloud / DigitalOcean / Azure
- Django / FastAPI
- RESTFUL / GraphQL API's

Education

Newcastle University [Postgraduate Degree]:
MSc Datascience and Artificial Intelligence (ongoing)

Northumbria University [Undergraduate Degree]: Ba(Hons) Business Management 2:1

Newcastle SFC [A Levels]: Geography B, Business A and Economics C.

Emails for References

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