

# Alfie Atkinson

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Lincoln, Lincolnshire, United Kingdom




## PROFESSIONAL SUMMARY

**Postgraduate Full-Stack Software Engineer** with expertise in **Python, JavaScript/TypeScript, and SQL**, alongside hands-on experience with frameworks such as **Django, Flask**, and the **MERN** stack. Proven ability to deliver optimised solutions, troubleshoot complex issues, and contribute effectively to **Agile** teams. Strong understanding of version control with **Git**, **DevOps** practices, **CI/CD** pipelines, and **cloud technologies**.

## SKILLS

- **Languages & Frameworks:** Python, JavaScript/TypeScript, C++, Django, React, Node.js, SQL, TailwindCSS
- **Cloud & DevOps:** Azure, Agile, Docker, Kubernetes, OpenShift, Git, CI/CD, SDLC
- **Software Development:** Version Control, Algorithms, OOP, TDD, A/B Testing, UX/UI Design
- **Other Tools & Technologies:** Unix/Linux, Bash, RESTful APIs,  $\LaTeX$ , VS Code, Vercel, Heroku



## EXPERIENCE

- **Synx Games**  February 2025 – July 2025  
*Software Engineering Intern* Lincoln, UK
  - Developed a new Roblox experience using TypeScript and React, contributing to both frontend and game logic.
  - Designed, tested, and refined UGC (User-Generated Content) products by collaborating closely with developers and stakeholders.
- **B-Hive Innovations**  May 2024 – September 2024  
*Field Trials Technician (Temporary)* Lincoln, UK
  - Developed and debugged Python software applications for the TuberScan Venture project, resolving multiple critical reliability issues disrupting data collection and compromising the accuracy of results.
  - Leveraged Agile, Scrum, Jira, and BitBucket within a small team to collaborate and manage tasks effectively.
- **Dollar Jeans**  January 2023 – March 2024  
*E-Commerce Technician* Lincoln, UK
  - Managed an SQL database of 15,000+ products, syncing items across platforms like eBay, Amazon, and Shopify.

## EDUCATION

- **University of Lincoln** September 2024 – September 2025  
*Master of Science in Computer Science* Lincoln, UK
  - **Classification:** T.B.C (Current Average: 86%)
  - **Activities & Societies:** Computer Science Society
- **University of Lincoln** September 2021 – May 2024  
*Bachelor of Science in Computer Science* Lincoln, UK
  - **Classification:** First Class with Honours
  - **Activities & Societies:** Computer Science Society, UKIEPC Participant

## PROJECTS

- **Library Management System (C++)** October 2024 – January 2025
  - Developed a console-based library management system with CRUD operations and JSON data persistence. 
  - Implemented Test-Driven Development with robust unit tests using Catch2 to proactively prevent issues.
  - Integrated multithreading and networking (using sockets) to enable concurrent user operations and remote interactions for a multi-user experience.
- **Sentiment Analysis Tool (Python)** September 2023 – May 2024
  - Developed a deep-learning sentiment analysis tool with Python, using BERT to process social media data. 
  - Optimised data pipelines with Pandas and NumPy to handle large datasets for model training and prediction.

## COURSES & CERTIFICATIONS

- **IBM: Full Stack Software Developer Professional Certificate** September 2024 – September 2025
- **IBM: DevOps and Software Engineering Professional Certificate** September 2024 – March 2025
- **Forage: Blackbird Australia - Software Engineering Job Simulation** February 2025

## AWARDS

- **University of Lincoln: The Lincoln Award** September 2024 – February 2025