




Ionel Stan –Software Engineer (Student)

 United Kingdom

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Professional Summary

Aspiring Software Engineer with practical experience in C# (Windows Forms & Console applications), MySQL database development, and Cisco network design and security. Currently pursuing a BSc in Software Engineering, with strong interests in backend development, secure network systems, and software architecture. Open to remote internships, entry-level roles, or volunteer opportunities to contribute to real-world software solutions.

Technical Skills

- Languages: C#, Python, Java, SQL, HTML, CSS
- Frameworks/Tools: .NET Framework, Windows Forms, Flask, Git, Visual Studio
- Databases: MySQL, SQLite, ER diagrams, normalization, SQL queries
- Networking: Cisco Packet Tracer, VLANs, DHCP, DNS, ASA 5506-X, static/dynamic routing
- Other: MySQL Workbench, Visual Studio Code, draw.io, Lucidchart, Linux (basic)

Key Projects

Student Record System – C# Windows Forms

A user-friendly app to input, process, and manage student marks. Includes average calculations, ListView display, clear/reset controls, and exception handling.

Tech: C#, .NET, Visual Studio

Access Control System – C# Windows Forms

Login/registration system with form navigation, password validation, error handling, and user input checks.

Tech: C#, .NET Framework, Windows Forms

KnowledgeNet Academy – Cisco Network Design

Enterprise-level network using Cisco Packet Tracer with multiple VLANs, routers, ASA firewalls, DHCP, NAT, and server configurations.

Tech: Cisco switches/routers, ASA 5506-X, VLANs, DHCP, Router-on-a-Stick

Coursework Tracking System – MySQL

Database system for tracking assignments, including ERD creation, logical schema design, foreign key constraints, and SQL query implementation.

Tech: MySQL, Workbench, ER modeling

C# Console Applications

- Histogram PIN Allocator (if-else logic)
- Grade & Feedback System (switch + exception handling)
- Number Range Checker (validation loop with TryParse())

Education

University of Bolton – United Kingdom

BSc (Hons) Software Engineering – Level HE4

2023 – Present

Certifications & References

- Cisco Packet Tracer (self-led practice – firewall, VLANs, inter-VLAN routing)
- Fundamentals of C# programming and MySQL database systems
- References available upon request

Languages & Soft Skills

- Languages: English (Fluent), Romanian (Native)
- Soft Skills: Problem-solving, Communication, Attention to detail, Time management