

Kshitij Jha

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Canterbury, UK · Available for a 12-month placement from July 2027

SUMMARY

Computer Science student at the University of Kent seeking a 12-month industry placement for 2027-28. Two software development internships delivering REST APIs in C#/.NET 8 and Node.js, Next.js frontends, and MSSQL data layers. Student visa holder from September 2026, eligible for full-time employment during the assessed placement year.

EXPERIENCE

Imatic Technologies Limited (ITL)

June 2026 - Present

Software Developer Intern (Dar es Salaam, Tanzania)

- Built 9 REST endpoints across 6 resources in C#/.NET 8, then rebuilt the same API in Node.js so the team could compare stacks when evaluating a migration off ASP.NET MVC
- Developed the Next.js prototype consuming these services, including a proxy layer and role-conditional routing
- Wrote MSSQL stored procedures handling multi-mode read and write paths against a 7-table schema, working in SSMS with SQL Server running in Docker
- Delivered a Stimulsoft Reports.JS proof of concept by reverse-engineering undocumented integration patterns, informing a stakeholder decision affecting 300+ Crystal Reports

CubeStone Consulting

January 2026 - March 2026

Software Developer Intern

- Built a Fleet Management REST API solo in C#/.NET 8, using Dapper for data access against a SAP HANA database and authoring the supporting table schema
- Developed a React Native client consuming the API end to end

EDUCATION

University of Kent, Canterbury

September 2026 - 2029

BSc Computer Science (Hons) with a Year in Industry

- Entering at stage 2 on direct second-year entry. Placement year 2027-28, available for a 12-month contract from July 2027
- Kent International Scholarship holder

Middlesex University Mauritius

2025 - 2026

Certificate of Higher Education

- The qualification carrying the direct second-year entry to Kent

PROJECTS

Concurrent TCP Chat Server

Go

github.com/kshitij406/TCP

- Built a multi-client chat server implementing per-client goroutines, mutex-guarded shared state, and coordinated shutdown
- Diagnosed and fixed deadlocks, concurrent map access races, and WaitGroup misuse by reasoning through the synchronisation model

VendingMachine

Python

github.com/kshitij406/VendingMachine

- Built a full-stack simulation with a Tkinter GUI and a multithreaded TCP socket server over SQLite persistence
- Implemented live four-currency conversion (USD, GBP, INR, MUR) and sales analytics visualised with matplotlib

Metals CFD Trading Bot

Python

github.com/kshitij406/capital-bot

- Automated a live trading system on the Capital.com API, scheduled on GitHub Actions at a 15-minute cadence with encrypted secrets, failure alerting, and Discord monitoring
- Ran a pre-registered strategy investigation across EMA, ATR and RSI mechanisms on three instruments, applying stopping criteria fixed in advance to avoid overfitting

SKILLS

Languages: C#, Go, Python, JavaScript, TypeScript, SQL

Frameworks: .NET 8, ASP.NET MVC, React, Next.js, React Native, Dapper

Databases: MSSQL (SSMS), SAP HANA, SQLite

Tools: Git, GitHub Actions (CI/CD), Docker, Vercel, Linux (Fedora)

AWARDS

- MDX Speed Coding Competition 2026: 1st Runner-Up, 50+ competitors from multiple universities
- Oracle Academy Database Foundations Certificate