

Michael McKibbin

Nenagh, Co. Tipperary, Ireland

Email: mmckibbin1@gmail.com

Email: michael@michaelmckibbin.com

LinkedIn: [linkedin.com/in/michaelkevinmckibbin](https://www.linkedin.com/in/michaelkevinmckibbin)

GitHub: github.com/MichaelMcKibbin

Website: michaelmckibbin.com

Professional Summary

Cybersecurity-focused IT professional and software developer with experience building, supporting, and troubleshooting modern software systems. Skilled in Java, SQL, REST APIs, C#, .NET and cloud environments, with experience working within Git workflows, Docker and CI/CD pipelines. Security-aware mindset with strong analytical troubleshooting skills developed through hands-on systems support and software development. Comfortable analysing logs and technical data, maintaining structured processes, and collaborating with distributed engineering and operations teams to deliver reliable, maintainable solutions. Currently completing a BSc (Hons) in Contemporary Software Development focusing on C#, .NET, DevOps pipelines, Docker, and Azure cloud deployment.

Tech Stack: Java • C# • .NET • ASP.NET • REST APIs • SQL • Linux • Docker • AWS • Azure • Git • CI/CD • DevOps

Core Competencies

Software Development

Java, C#, .NET, ASP.NET, RESTful APIs
Object-oriented design and modular architecture
SQL / RDB design (MySQL, SQL Server, SQLite)
Web development (JavaScript, Node.js, Next.js)

DevOps & Engineering Practices

Git workflows and CI/CD pipelines
GitHub Actions, Maven, Gradle
Agile development environments
Automated testing and quality gates
DevOps / DevSecOps practices

Cloud & Container Platforms

AWS (EC2, S3, IAM, CloudWatch)

Azure deployment and cloud services
Docker and container-based workflows
Monitoring, logging, and operational visibility

Systems & Infrastructure

Linux administration (Ubuntu, Kali)
Windows and cross-platform systems
Networking (TCP/IP, DNS, VPNs)
Log analysis and troubleshooting

Cybersecurity & Secure Systems

CompTIA Security+ certified
Secure configuration and access control
Network security principles
Risk awareness and security best practices

Certifications

CompTIA Security+
AWS Cloud Practitioner
Oracle OCA: Java SE Programmer

CompTIA Network+
Cisco CCENT
Cisco: Introduction to Cybersecurity

Education

BSc (Hons) in Contemporary Software Development (Part-time, online – flexible schedule)

Atlantic Technological University (ATU) • Expected – May 2026

Focus areas: C#, .NET, ASP.NET, DevOps pipelines, Docker, Azure deployment, secure software development

BSc in Computer Science (Computer Forensics and Security)

South East Technological University (SETU) • June 2025

Focus areas: Cryptography, Data Structures, Digital Forensics, DevOps, Secure Software Development, Databases

Selected Technical Projects

Java Data Processing Framework (<https://github.com/MichaelMcKibbin/ATU-SoftDev-Grp5Project>)

- Designed and implemented a modular Java-based data processing framework following layered architecture principles and separation of concerns.
- Built structured parsing, validation, and transformation components with robust error handling
- Integrated automated unit testing (JUnit) with CI quality gates to enforce reliability and coverage
- Managed builds using Maven and maintained disciplined Git workflows with pull requests and code review
- Investigated and resolved complex edge cases inc. malformed input, encoding, and multi-line data handling

Technologies: Java, Maven, JUnit, Git, CI/CD

PuzzlePaddy.com — Full-Stack Web Application (puzzlepaddy.com)

- Designed and deployed a production-hosted web application using React (Next.js) with backend service integration.
- Implemented modular UI components and asynchronous data flows
- Integrated RESTful services and handled JSON-based API communication
- Managed cloud deployment and configuration with automated CI/CD workflows
- Diagnosed and resolved live production issues, improving reliability and performance

Technologies: Next.js, JavaScript, REST APIs, Node.js, GitHub Actions, CI/CD

AWS Infrastructure Automation

- Provisioned and automated AWS infrastructure using scripting and cloud services.
- Automated EC2 and S3 provisioning with IAM-based access control
- Implemented CloudWatch monitoring and alerting
- Captured logs and system state for diagnostics and incident investigation
- Improved operational visibility and incident response through automated monitoring and logging

Technologies: AWS EC2, S3, IAM, CloudWatch, Python/Bash, Infrastructure Automation

Professional Experience

Self-Employed IT Specialist — Ireland (2009–2020)

- Managed and maintained accurate system inventories and configuration records
- Ensured secure handling of customer data and adherence to best practices in information security

Field Engineer — The Tech Guys (Dixons / Currys / PC World) (2007–2009)

- Installed and supported retail POS and stock control systems in accordance with defined operational procedures and technical standards.
- Escalated incidents through structured support channels, maintaining accurate records to support audit, resolution tracking, and follow-up actions.
- Worked collaboratively with central engineering and store management teams during system outages to ensure timely restoration of services.
- Maintained detailed service documentation and configuration records to ensure traceability and compliance with company standards.

IT Refurbishment & Support — Bits and PCs Ltd (2002–2007)

- Managed large spreadsheet-based inventories of corporate IT assets, ensuring accurate tracking of serialised equipment and configuration records.
- Performed structured data cleansing, reconciliation, and validation to maintain stock accuracy and prevent discrepancies.
- Produced detailed reports to support purchasing decisions, stock control, and business planning.
- Maintained accurate product data across eCommerce platforms, ensuring consistency and reliability of information.
- Ensured secure handling and protection of customer data during system refurbishment and data recovery processes.

Telecoms & Field Service Technician — Ireland & USA (1988–2002)

- Installed and maintained telecommunications systems (PBX, PSTN, structured cabling) in multi-site commercial environments, ensuring compliance with documented technical specifications and safety standards.
- Interpreted complex technical and regulatory documentation to deliver accurate system implementations.
- Coordinated between technical teams and client stakeholders to ensure projects were completed in line with agreed requirements and procedures.
- Led small teams while maintaining adherence to operational standards and documented processes.
- Maintained detailed service logs, configuration records, and compliance documentation to support audit and follow-up activities.