

CLAYTON COOPER

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SUMMARY

Aspiring Backend Developer with experience supporting Azure cloud infrastructure, automating server processes, and optimizing backend systems. Skilled in distributed systems, cloud architecture, and collaborative Agile development.

EXPERIENCE

Data Center Technician

Microsoft

October 2025 - PRESENT, Red Oak, Texas

- Maintained and optimized enterprise-scale Azure cloud infrastructure, ensuring high availability and reliability.
- Automated server provisioning, patching, and recovery processes for 150+ nodes, improving operational efficiency.
- Collaborated with engineers to troubleshoot and enhance backend systems, distributed infrastructure, and virtualized environments.
- Monitored infrastructure health metrics to proactively identify and resolve system anomalies.
- Gained hands-on experience with cloud architecture, distributed systems, and server-side operations.
- Participated in Agile workflows, sprint planning, and Scrum ceremonies, improving project execution and cross-team collaboration.

EDUCATION

Bachelor's in Computer Science

Southern New Hampshire University • Manchester, New Hampshire • 2025 • 3.851/4.0

CERTIFICATIONS

Microsoft Full-Stack Developer

Coursera • 2025

- Developed full-stack applications using modern frontend and backend technologies, with experience designing RESTful APIs, implementing business logic, and integrating databases. Gained hands-on experience with version control, cloud-based development workflows, and application deployment. Emphasized writing clean, maintainable code and building scalable, secure applications aligned with industry best practices.

Microsoft Python Development

Coursera • 2025

- Developed Python applications with a focus on backend logic, data processing, and automation. Applied core programming concepts such as object-oriented design, data structures, and error handling. Worked with APIs, libraries, and scripting workflows to build efficient, maintainable solutions, reinforcing best practices for clean, readable, and scalable Python code.

Microsoft Azure for AI and Machine Learning

Coursera • 2025

- Built foundational skills in developing, training, and deploying machine learning models using Microsoft Azure services. Gained experience working with cloud-based data pipelines, model evaluation, and AI workflows. Applied Azure tools to create scalable, secure solutions while understanding how AI and ML systems integrate into production environments.

SKILLS

Programming Languages: C#, Java, JavaScript, TypeScript, Python

Frameworks & Libraries: .NET / C# .NET, ASP.NET, Node.js, React, React Native

Backend & API Development: API Development, REST APIs, Server-Side Application Development

Databases: MySQL, Azure SQL

Cloud Platforms: Microsoft Azure, AWS

DevOps & Tools: Git, Docker, CI/CD Pipelines