

DAVID R. MAGUIRE

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Software engineer with 4+ years of full-stack development experience, specializing in C#.NET, Azure cloud services, and data pipeline engineering. Proven track record designing modular enterprise platforms, building Azure Function Apps, and automating complex data workflows with Azure Data Factory. Actively seeking backend or full-stack roles. Open to relocation.

TECHNICAL SKILLS

Languages/Frameworks

- C#, SQL, Python, JavaScript, TypeScript, ASP.NET, Next.js, React, Angular, HTML/CSS, Java, C++

Cloud & Data

- Azure (Function Apps, Data Factory, Blob Storage), Azure AD/OAuth, Power BI, SSRS, SQL Server

Tools/Platforms

- Visual Studio, VS Code, Git, Bitbucket, Jira, Confluence, SSMS, IIS, Postman, Salesforce, Android Studio, Wireshark, VMware/vSphere, Active Directory

Practices

- Full-Stack Development, OOP, Agile/Scrum, Data Security, REST API Integration, ETL Pipeline Design, Network Security

PROFESSIONAL EXPERIENCE

LAZ Parking, Hartford, CT | August 2023 - Present

App Developer

- Leading architecture and development of a large-scale modular platform that consolidates ERP systems and ancillary applications into a unified solution built with Next.js and a C# backend, reducing cross-system data fragmentation and improving operational consistency across business units.
- Designed and built multiple C# Azure Function Apps serving diverse operational needs, including encrypted GPG file decryption from SFTP sources, API-driven data transmission, and automated background processing tasks.
- Engineered numerous Azure Data Factory pipelines to automate complex data workflows — including SFTP file ingestion and transfer, file transformation and routing to SQL databases, hybrid pipeline logic combining file operations with API calls, and scheduled ETL processes.
- Developed a full-stack React/TypeScript application with OAuth authentication, dynamic form-based data collection, structured SQL storage, and personalized user dashboards.
- Built a deployable Windows Forms (C#) tool that aggregates multi-format files from distributed server locations and compiles them into structured PDF packages.
- Built Power BI financial reports leveraging SQL-sourced data to visualize spend, variance, and trend metrics for business stakeholders.
- Maintained and extended legacy enterprise web applications built with Angular and TypeScript.
- Leveraged AI LLMs (primarily Claude) to accelerate development, improve code documentation, and assist in architectural decision-making.

Ivy Biomedical Systems, Branford, CT | June 2022 - August 2023

Software Engineer/IT Manager

- Designed an ASP.NET/C# web application for generating and printing order labels from user-provided shipping numbers, integrated with a live SQL database.
- Built SSRS label reports backed by parameterized SQL datasets, enforcing consistent formatting and printing standards across departments.
- Developed a full database-driven web application enabling employees to input, view, edit, and produce structured reports.
- Executed a company-wide email server migration from Intermedia to Microsoft 365, coordinating a zero-downtime cutover.

- Maintained critical IT infrastructure including servers, desktops, email systems, security tooling, and company databases.

CyberArk, Newton, MA | *July 2021 - January 2022*

Enterprise Support Intern

- Assisted in large-scale support case close and account reconciliation project.
- Provided Tier 1 enterprise support for clients using CyberArk Privileged Access Manager, assisting with account onboarding, password rotation, and vault connectivity issues.
- Gained hands-on experience with enterprise identity security concepts such as privileged access management, credential rotation, and session monitoring.

Vineyard Vines, Stamford, CT | *January 2020 - May 2020*

IT Intern

- Provided Tier 1 IT support to corporate and retail employees, resolving hardware, software, and network-related issues.
- Assisted in diagnosing and troubleshooting issues with desktop computers, laptops, printers, and mobile devices.
- Helped set up and configure user accounts, devices, and software for new hires and internal transfers.

Sacred Heart University, Fairfield, CT | *January 2019 - May 2021*

Audio Visual Technician

- Monitored and repaired audio, video, control systems, and video conferencing equipment in classrooms and conference rooms across campus.
- Conducted routine maintenance, repairs, and inventory checks on A/V equipment to ensure reliability.
- Implemented efficient cable management to maintain organized and hazard-free setups.

PROJECTS

Job Aggregator Application – *Python* | In Development

- Architected an async Python pipeline that scrapes and normalizes 700K+ job listings from 18 ATS platforms (Workday, Greenhouse, Lever, etc.) using aiohttp with rate limiting, pagination, and per-job detail fetching.
- Built an automated company discovery system that queries Wikidata and the YC API, then scans over 50K company websites for ATS career page links using regex pattern matching, which grew the company database from 1,000 companies to 4,700+ companies.
- Designed salary extraction and location parsing modules that pull structured data from unstructured job descriptions, achieving 48-60% salary coverage across major platforms.
- Built a React/TypeScript frontend with an Express.js API layer for searching and filtering results, backed by PostgreSQL with deduplication.

EDUCATION

SACRED HEART UNIVERSITY, Fairfield, CT | *Class of 2022*

Bachelor of Science, **Computer Science and Cybersecurity**, Minor in Mathematics

ACTIVITIES

- Member, Alpha Kappa Psi Professional Business Fraternity (Chi Mu Chapter)
- Resident Advisor (RA), Sacred Heart University (2020 - 2022)