Kharon Harrell

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Experience

Software Engineer II, Microsoft Corporation – Redmond, WA   Aug 2024 – Present

- Became the first member on my team of junior engineers to be promoted to Level 2
- Lead the design and implementation of an "orchestration" service that automated communication between various systems, saving data center personnel around **1.5-6 hours a day** in manual work
- Improved scalability and velocity of maintenance activities in Microsoft's global fleet of data centers, supporting around 6,000 maintenance activities annually (and growing)
- Implemented role-based access for Azure resources, enhancing security and satisfying company-wide security requirements

Software Engineer, Microsoft Corporation – Redmond, WA   Oct 2021 – Aug 2024

- Started as a contractor and became an FTE within 8 months
- Played a key role in migrating and rebuilding a mission-critical change management application built in D365 to a modern tech stack - .NET, Angular, Azure
- Designed and implemented a "Collision Detection" feature that prevented maintenance activity collisions, saving millions of dollars in maintenance rescheduling costs across Microsoft data centers globally
- Consistently demonstrated the ability to deliver feature work across the entire stack and partner with cross-functional teams, including business stakeholders, project managers, and engineers across disciplines

Full Stack Software Engineer, M&S Consulting – Morgantown, WV   Mar 2021 – Oct 2021

- Designed and implemented various features for a diverse set of client projects, delivering tailored software solutions across various industries including telecommunications, agriculture, HR, advertising, and more
- Led an offshore development team for a Fortune 500 telecommunications company, ensuring effective communication and project delivery

Software Engineer Intern, WVU Medicine – Morgantown, WV   May 2020 – Mar 2021

- Built a full stack application from scratch for creating, displaying, and managing IT on-call schedules
- Increased productivity and ticket resolution for the IT help desk by providing a centralized location for timely ticket escalation

IT Help Desk Technician, WVU Medicine – Morgantown, WV   Jul 2019 – Mar 2021

- Provided first contact customer support for a variety of clinical applications, hardware, and related issues.

Machine Learning Researcher, West Virginia University – Morgantown, WV   Sep 2019 – Mar 2020

- Coordinated and gathered data for facial recognition and other biometrics to aid in numerous graduate programs
- Designed, developed, and tested software used for image/video scrubbing and analysis

Education

West Virginia University, BS in Computer Science **(Did Not Complete)**   Fall 2016 – May 2021

- Credits Earned: 130
- **Coursework:** Calculus II; Multivariable Calculus; Technical Writing; Computer Architecture; Data Structures; Principles of Programming Languages; Analysis of Algorithms; Operating Systems; Computer Graphics

Technologies

Languages: HTML/CSS, JavaScript, C#, TypeScript, React, Angular, Java, Python, Bash, PowerShell, SQL

Technologies: Distributed Systems, Microservices, .NET Core, .NET Framework, Spring Boot, Microsoft SQL Server, Microsoft Azure, MySQL, Postgres, Visual Studio, VS Code, Postman, Linux/Unix, Windows, MacOS