

LinkedIn

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EDUCATION

- **Tennessee Tech University**

Bachelor of Science in Computer Science, Cybersecurity

Cookeville, TN

Aug. 2019 – May. 2024

EXPERIENCE

- **Alliance Bernstein**

Software Developer

Nashville, TN

May 2022 - Aug. 2023

- Successfully implemented and deployed 3 microservices for the order management platform, resulting in a 25% improvement in system performance
- Optimized SQL queries in Microsoft SQL Server, achieving 30% speed increase for the Orders microservice
- Streamlined the software delivery process by configuring and optimizing CI/CD pipelines in Azure DevOps for new and existing microservices, reducing deployment time by 50%
- Implemented background jobs which were executed on schedule or events using RabbitMQ as an event messaging system
- Created data pipelines for an inhouse testing automation framework using python, and Pandas library
- Collaborated closely with the QA team to address and resolve 100% of the bugs assigned in Jira, ensuring a smooth bug fixing process and achieving a 95% reduction in open bug count within a month
- Provided regular progress updates during daily standups, enhancing team coordination and reducing reactionary efforts

- **Tennessee Tech University**

Software Developer (Indoor Navigation And Notification System For Visually Impaired People) Dec. 2020 - May 2022

Cookeville, TN

- Developed and delivered a robust backend and administration panel for the system, leveraging cutting-edge technologies such as .NET, C#, PostgreSQL, React, TypeScript, Material UI, and Docker. Achieved a record-breaking time-to-market of 6 weeks, surpassing the initial project timeline by 30%
- Seamlessly integrated the system with the university database to retrieve data about buildings and rooms, resulting in complete elimination of manual data entry and saving 10 hours of work per week
- Implemented caching for the system using Redis, achieving 50% performance increase for the backend API
- Regularly presented my work to the project team, ensuring that the project was on track and that all requirements were met
- Successfully presented the system to the university administration, effectively capturing their attention and securing unanimous support for seamless implementation

- **Tennessee Tech University**

Research assistant

Cookeville, TN

Aug. 2019 - Dec. 2020

- Developed software research prototypes using Python, JavaScript, C++, and Java
- Measured performance and evaluated the effectiveness of the prototypes
- Presented research findings at conferences
- Collaborated with other researchers in developing innovative solutions
- Co-authored and published 7 papers in reputed journals, contributing to the dissemination of impactful research findings in the field of computer science
- Mentored and provided guidance to three new research assistants, fostering their growth and development in computer science

PROGRAMMING SKILLS

- **Languages:** C#, JavaScript, TypeScript, Python, Java, C++, C, SQL, HTML, CSS, Bash, PowerShell
- **Technologies:** Azure DevOps, .NET, React, RabbitMQ, Docker, Git, Linux, MSSQL, PostgreSQL, Redis, AWS, Azure, Jira, CI/CD, Node.js, Pandas