Micah LaSala | Full Stack Developer

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Objective

Highly motivated computer science graduate seeking full-time work. I'm always excited by the opportunity to explore complex systems, and create solutions to interesting problems. Generalist, with robust skills in a variety of areas, but special interest in Backend and Automation. I pride myself on my adaptability and ability to learn quickly, and I'm passionate about putting my all into everything I do.

Education

University of North Carolina at Charlotte, Charlotte, NC | May 2024
Bachelor of Computer Science | Concentration: Software, Systems, and Networks
- Software Engineering, Cloud Computing, High Performance Computing, Database Design and Implementation, Data Mining, Data Structures and Algorithms

Technical Skills

Languages: C#, Javascript, Python, SQL, Java, HTML, CSS, C++
Frameworks: React, .NET, ASP.NET, NodeJS, Blazor, React Native, TensorFlow, BabylonJS
Additional Tools: Git, Docker, Gradle
Practices: REST APIs, Performance Optimization, Database Design, Application Development, Documentation, Test Writing
Platforms: Azure, Visual Studio, VSCode, IntelliJ, Android Studio

Certificates

Microsoft AZ-900: Azure Fundamentals (Feb 2025)

Work Experience

Full Stack Engineer

Dabbel Inc   Mar 2025 - Present
- Major contributor to architectural and design decisions across the technology stack
- Design and implement features in React Native and NodeJS
- Configure interactions with various web services, including CI/CD, cloud storage, auth

Math/Science Tutor

Huntington Learning Center, Cary, NC   Oct 2024 - Apr 2025
- Prepared students for ACT/SAT exams, consistently resulting in improved test scores
- Taught and reinforced Calculus, Geometry, and Pre-Calculus material to HS students
- Worked closely with management to document and optimize student growth strategies

FOH Worker

Noodles and Company, Cary, NC   Jun 2020 - Aug 2022
- Provided excellent customer service in a high volume setting
- Trained new team members to handle job procedures and standards

Projects

Cross-Platform P2P Messaging App
- **React Native (Web, Paper, WebRTC)**
- Developed a peer-to-peer chat app to allow seamless text and file transfer directly between devices.
- Implemented WebRTC ICE Handshake supported by a minimalist signal server to minimize reliance on third-party servers during communication.

3D Exoplanets Data Visualizer
- **React, BabylonJS, PostgreSQL, NodeJS, WebGPU**
- Designed and built a web-based 3D visualizer for data from the NASA Exoplanets Archive.
- Optimized rendering performance to performantly display thousands of stars in-browser.
- Used an ETL workflow to process data from multiple sources into a usable format.

Full Stack Image Ranking SPA (UNCC Capstone)
- **React, ASP .NET, PostgreSQL, Azure, Kubernetes, MUI, Docker, Entity Framework**
- Self-directed research, design, and E2E development of a full-stack web application.
- Architected a scalable, containerized deployment environment using Azure Kubernetes Services.

Successful Video Game Mods
- **Lua**
- Released an integration mod for Don't Starve within 6 hours of DLC release, providing a feature that was later officially added by the game's development team.
- Seamlessly ported features between substantially different code bases.
- Developed an extensive library of support features, generalizing the underlying game systems and exposing useful hooks to developers.
- Developed several well-received mods for Don't Starve, with a combined 38,000 users.