

Ashyr Helton

Full Stack Software Engineer *specializing in point-of-sale backend*

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<https://github.com/ahelton5>

EXPERIENCE

MyVenue, Hybrid (mostly remote) — Full Stack Software Engineer

JUNE 2024 - PRESENT

Member of the “back-office”/configuration engineering team for a point-of-sale company specializing in large venues. Worked on developing a web application and infrastructure for the configuration of POS systems in some of the world’s most renowned stadiums and arenas. Helped to upgrade an aging .NET web application which consisted of a C# backend, SQL Server, BigQuery and Firebase databases, and an Angular frontend. Wrote queries in SQL and BigQuery to provide real-time sales data across large scale databases while maintaining performance and load. Managed infrastructure across AWS, Google Cloud, Firebase, Cloudflare, Buddy, and more via Terraform. As the only developer located within the US, day-to-day operations often involved maintaining infrastructure, technical calls with US based clients, disaster management/recovery as needed, communication between multi national teams and travel on quick notice.

Point of Sale Upgrades, Travel — Point of Sale Technician

MAY 2021 - JUNE 2024

Contracted by many POS companies for both installation and on-site event support. Provided IT support and training to staff for various POS hardware and software solutions across the country. Mainly specialized in large events in arenas or stadiums, but also experienced in typical restaurant settings.

H&S Builders, Springfield, IL — Vice President

2018 - 2024

Operated a family owned construction business. Handle client relations, employee hiring and management, and manage business expenses.

Self-Employed, Clearwater, FL — Custom Computer Technician

2018 - PRESENT

Provide customers with a full package custom computer building and optimization service. Work with clients to ensure they get something aesthetically pleasing and tuned to its maximum capabilities.

Countryside Country Club, Clearwater, FL — Pro Shop Assistant



EDUCATION

East Lake High School, Tarpon Springs, FL — High School Diploma

MAY 2018

Attended a magnet program for engineering. Finished 3rd in GPA rankings in a large and highly competitive graduating class.

St. Petersburg College, Clearwater, FL — Associate of Arts (AA)

2018 - MAY 2019

University of Colorado, Boulder, CO — Bachelor of Arts (BA) in Computer Science

2019 - 2024

2016 - 2019

Assisted the head golf pro with sales of merchandise, course time management, and customer service needs.

Illinois Association of Parks Districts, Springfield, IL — Database Specialist

2015 - 2016

Created and managed multiple databases from decades old physical records to update a record collection method. Experience included database management in simple Microsoft Access form, as well as using more advanced methods such as MySQL and Oracle.

CERTIFICATIONS

Microsoft Office Specialist (MOS) Certification

Autodesk Inventor CAD Specialist Certification

SOFTWARE EXPERIENCE & PROJECTS

Full Stack Developer

Experience with cutting edge languages and technologies to provide full stack web development. Experienced in frontend languages (CSS, JS, TS, HTML, React, Python), backend languages (Java, C/C++, C#), and database languages (SQL, Xquery, BigQuery) and able to use these in combination to build fully functioning websites and web applications from the ground up. Personal projects in this category include a dating app with an algorithm similar to popular dating sites, resume websites and social media platforms. Familiar with the project management that is required for projects like this and the utilities such as scrum boards typically used in this area.

Operating Systems Creation and Management

Experience in developing features for x86 based operating systems, as well as managing popular OS such as Linux, MacOS, and Windows. Proficient in custom driver creation, troubleshooting OS based problems, and overall OS procedures.

Server Admin/Management

Experience in hosting linux based servers from home, making use of VPN tunnels such as Tailscale to expose locally hosted services securely to myself or trusted friends and family. Proficient in managing docker containers and kubernetes clusters to safely deploy contained services at scale.

Video Game Mods

Experience developing custom mods for video games as a hobby. Typically using Java to create Minecraft mods and plugins, but also experienced in creating custom 3D scenes from scratch using OpenGL libraries in C.

