

Isaac Mayes

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Experience

- **VMware by Broadcom** **Austin, TX**
Dec 2022 – Present
Staff Software Engineer, VMware Tanzu Labs (formerly Pivotal Labs)
 - Consulting as a Software Engineering Practice Lead on-site at the Army Software Factory, a partnership between the U.S. Army and Tanzu Labs, focused on training soldier and civilian software developers through delivering cloud-native software solutions.
 - Enabling client and consultant software engineers across the organization through guidance and mentorship in their efforts to rapidly and effectively deliver solutions for users.
 - Advocating for software development best-practices of Agile methodologies, lean product management, user-centered design, and Extreme Programming (XP) core practices including paired programming, test-driven development, and continuous integration.
 - Developing criteria and conducting evaluations for assessing software engineers over their career progression from novice to junior to intermediate practitioner.
 - **Languages and Technologies:** Java, TypeScript, SQL, Spring, React, PostgreSQL, Flyway, Keycloak, Docker, GitLab, Git
- **Signature Science** **Austin, TX**
Jun 2017 – Dec 2022
Full Stack Developer/Database Specialist, Data Science Group
 - Designed and developed relational database applications in varied technology stacks for collection and automated processing of scientific data across several projects for different federal government clients, including the U.S. Department of Defense (DoD) and U.S. Department of Homeland Security (DHS).
 - Consulted internal project managers, staff scientists, and external clients on technical capabilities regarding data storage processes, database automation, and web-based software solutions.
 - Enhanced existing solutions for data processing by working directly with end-users, both internal and external, to troubleshoot functionality, automate processes, and improve feature offerings.
 - Enacted software development best-practices such as version control, isolated testing environments, shared development environments, standardized deployment procedures, and documented both coding standards and regular maintenance processes of legacy and greenfield projects.
 - **Languages and Technologies:** PL/SQL, T-SQL, C#, VB.NET, JavaScript, Oracle Database, Oracle Application Express (APEX), Oracle REST Data Services (ORDS), .NET Framework, ASP.NET, Entity Framework, Microsoft SQL Server, Git, Jira, GitLab
- **Computers Unlimited** **Billings, MT**
May 2014 – Jun 2017
Programmer, Industrial Group
 - Responsible for development and integration of several core systems and applications, including: security services, user authentication and authorization processes, user configuration and management applications, initial system set-up and configuration applications, custom user-defined interface management framework, SQL database migration framework, SQL data auditing systems, Batch job execution scheduling application and associated job processing framework.
 - Served as an architecture representative for the Industrial Group. Participated in weekly architecture meetings for discussing current development initiatives and company-wide design changes with lead developers from every development group.
 - Coordinated support and troubleshooting efforts with Application Support teams to provide resolutions to customer issues.
 - **Languages and Technologies:** C#, T-SQL, PowerShell, .NET Framework, Entity Framework, Microsoft SQL Server, Windows Presentation Foundation (WPF), Windows Communication Framework (WCF), Active Directory, LDAP, OAuth, Subversion (SVN)
- **Intern, Regression/Automated QA Group** **Jan 2014 – May 2014**
 - Assisted in the maintenance and feature implementation on internal tools used by the Regression team, including improvements to the proprietary automated Regression Testing Framework.
 - Adapted written test plan steps for automation in the Regression Testing Framework and documented test plan execution details.
 - Analyzed nightly unit test runs across builds for all supported software versions to compile daily reports on the statuses, while also logging failed tests and investigating to attribute causes to specific code revisions.
 - **Languages and Technologies:** C#, T-SQL, .NET Framework, Microsoft SQL Server, SVN
- **Rocky Mountain College** **Billings, MT**
Website Administrator, Student Publications (The Summit) **Jan 2013 – May 2013 & Jan 2014 – May 2014**
Paid Note-Taker (Algorithms, Python language study), Services for Academic Success **Sep 2013 – Dec 2013**
By-Appointment Tutor (Computer Science), Services for Academic Success **Sep 2012 – May 2014**
System Administrator, Computer Science Department **Mar 2012 – May 2014**
Help Desk Assistant, Academic Computing **Sep 2011 – May 2013**
Website Administrator, Computer Science Department **Sep 2010 – May 2011**

Education

- **Rocky Mountain College** **Billings, MT**
Aug 2010 – May 2014
Bachelor of Science in Computer Science
Languages and Technologies: Java, Python, JavaScript, PHP, HTML, CSS, SQL, XML, C, ASM, Concurrent Versions System (CVS)