

Isaac Mayes

Austin, TX, USA • www.mayesid.com
+1 (512) 953-7302 • contact@mayesid.com

Experience

Senior Principal Software Engineer, Cyber Dominance @ Clarity Innovations

Austin, TX (Remote) Apr 2025 – Present

Languages and Technologies: TypeScript, React, Vitest, Testing Library, Backstage, Kubernetes, Tilt, Docker, Lima, Keycloak, GitLab, Git, Figma, Lucid

- Designing and building a user-friendly frontend to a system for managing Kubernetes workloads distributed across disparate cloud and on-prem environments.

Staff Software Engineer, VMware Tanzu Labs (formerly Pivotal Labs) @ VMware by Broadcom

Austin, TX Dec 2022 – Apr 2025

Languages and Technologies: Java, TypeScript, SQL, Spring Framework (Boot, Security, Data), React, Vite, Vitest, Testing Library, Cypress, PostgreSQL, Docker, Flyway, Keycloak, Figma, GitLab, Git

- Consulted on-site at the Army Software Factory (ASWF), a partnership between the U.S. Army and Tanzu Labs, for training soldier and Department of the Army (DA) civilian software engineers through delivering cloud-native software solutions for use across the Army.
- As a Software Engineering Practice Lead for the ASWF from September 2024 through March 2025:
 - Defined a set of core practices of the organization, consisting of aspects from Extreme Programming (XP), lean product management, and user-centered design.
 - Revised evaluation criteria and processes for progression through apprentice, junior, and intermediate career-levels based on direct experience working with software engineers of all levels, across a variety of teams and applications, in prior roles.
 - Coordinated weekly presentations and facilitated group discussions on software development best-practices applicable to all levels.
- An inaugural member of the Software Development Unit (SDU) Enablement Team (SDUET), providing technical leadership to a unit consisting of five application development teams, from September 2023 to September 2024:
 - Established responsibilities and expectations for the role- a new organizational offering both at ASWF and within Tanzu Labs.
 - Regularly held one-on-one mentoring sessions for twenty junior and intermediate-level engineers.
 - Coordinated evaluation of twelve apprentice engineers to junior-level while mentoring first-time evaluators.
- As a Tech Lead on an application development team from July 2023 to September 2023:
 - Successfully on-boarded and subsequently transitioned development responsibilities on two applications over to a whole new team of four apprentice-level engineers and their consultant pairs.
- As a Senior Software Engineer on an application development team from December 2022 to July 2023:
 - Guided the team through reducing the scope of a proposed MVP while still delivering a functional application, resulting in launching a month earlier than the initial estimate, and shortening the time to getting hands-on user feedback.
 - Coached two apprentice-level engineers up through their evaluation to junior-level.
 - Advised two junior-level engineers in setting career progression plans, and finding new opportunities within the team's objectives.

Full Stack Developer/Database Specialist, Data Science Group @ Signature Science

Austin, TX Jun 2017 – Dec 2022

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

- 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 groups within the U.S. Department of Defense (DoD) and U.S. Department of Homeland Security (DHS).
- Consulted company directors, 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 across legacy and greenfield projects, including version control, isolated testing and production environments, standardized deployment procedures, and documentation for regular-maintenance processes.
- Deconstructed and optimized a weekly data export process, eliminating all exporting errors, and saving the team an average of 16 hours of time generating reports per week.

Programmer, Industrial Group @ Computers Unlimited

Billings, MT May 2014 – Jun 2017

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)

- Code-owner responsible for maintenance and on-going development on over a dozen core services, frameworks, and applications within TIMS Software; spanning domains such as user security, system configuration, database management, and bulk-data processing.
- Served as an architecture team representative for the Industrial Group. Participated in weekly architecture meetings discussing current development initiatives and company-wide system design changes with lead developers from each development group.
- Coordinated support and troubleshooting efforts with Application Support teams to provide resolutions to customer issues.

Education

Bachelor of Science in Computer Science @ Rocky Mountain College

Billings, MT Aug 2010 – May 2014

Languages and Technologies: Java, Python, JavaScript, PHP, HTML, CSS, SQL, XML, C, ASM, Concurrent Versions System (CVS)