

John Mobley Selected Projects

Client work and shared portfolio engineering

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Selected client and in-house software work in Microsoft collaboration, document automation and business applications.

Microsoft collaboration and business workflows

E-Merge and Graymatter · Feb 2020–Mar 2021

Role: Software engineering intern

Migrated on-premise SharePoint to SharePoint Online and Teams. Built safety-training, HR, bid, recruiting and onboarding workflows and supported more than 20 employees.

Migration and workflows | SharePoint, PowerApps, Power Automate, Teams

Data-driven PDF generation

TCSC · Approximately 2010

Role: Software consultant

Built C# and ASP.NET PDF-generation applications using SQL Server data, serialized XML and XSLT. Persistent workflow state kept work available across user sessions.

Document generation | C#, ASP.NET, SQL Server, XML, XSLT

PeopleSoft calendar synchronization

TCSC · Historical engagement

Role: Software consultant

Synchronized PeopleSoft-generated Excel records with a SharePoint calendar while preserving entries created by users.

Data synchronization | PeopleSoft, Excel, SharePoint

Scheduling rules in SharePoint

TCSC · Historical engagement

Role: Software consultant

Built a SharePoint web part to manage scheduling conflicts, thresholds and regulatory requirements.

Scheduling application | SharePoint, C#

Technology assessment and migration planning

Consero Inc and D1CustomGears · 2024–2025

Role: Technology consultant through Mobleyssoft

Delivered a technology assessment and Microsoft tenancy recommendations, provided endpoint troubleshooting and submitted a migration plan. D1CustomGears was part of the Consero engagement.

Assessment and support | Microsoft tenancy, Endpoint support, Migration planning

Architectural submittal automation

Client engagement · 2025 onward

Role: Chief architect and algorithm development contributor

Architecture and development for a construction-document workflow that connects door schedules, product selection and submittal assembly.

Ongoing development | Document processing, Software architecture, AI-assisted development

EMRAuthenticate document approvals

H2 Consulting · Jun–Nov 2009

Role: C# document-processing programmer

Collaborative C# development of a Windows application for batch Word-document approval, signature images and recursive folders, with versioned releases and installer handoff.

Application releases | C#, Windows, Word documents, Installers

LanguageKids educational mini-games

Step Ahead Studios LLC · Sep 2009–Mar 2010

Role: Independent contractor and game programmer

Collaboratively programmed and debugged Flash and ActionScript 3 mini-games in the LanguageKids framework, including DessertGame fixes and a cake-game submission.

Game programming | ActionScript 3, Flash, Game debugging

Business web applications

Publicate Inc · Early career

Role: Web application developer

Developed custom business web applications for small and medium-sized Florida businesses and managed several client accounts from start to finish.

Web applications | Web applications, Customer communication, Project delivery

Connect with Contractors website

Connect with Contractors · Historical engagement

Role: Website consulting

Website consulting for Connect with Contractors.

Website work | Website work

Shared tools and internal engineering

Selected engineering within the MHSLP portfolio. John guides technical direction and delivery; implementation includes AI coding agents.

Catalogue retrieval refinement

WeylandAI · October 2026

Role: Technical direction and engineering oversight

Catalogue retrieval refinements for product-document workflows.

Shared engineering | Catalogue retrieval, Document workflows

Reusable acceptance gates

Mobley tooling · October 2026

Role: Technical direction and engineering oversight

Reusable checks for generated files and complete bid-set document workflows.

Shared engineering | Acceptance tooling, Workflow verification, AI-assisted engineering

AuthFor security maintenance

AuthFor · October 2026

Role: Technical direction and engineering oversight

Migration fencing and reconciliation in shared authentication infrastructure, with registration-response handling designed to limit account enumeration.

Agent-authored engineering | Authentication, Migration safety, Agent-authored engineering