

Joseph D. Laake
Monument, CO.
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joelaake@gmail.com

Summary

Software Engineering professional with over 15 years of experience spanning Software Development, DevSecOps, and CloudOps. Skilled in deploying, designing, and optimizing database servers, VMware, and VirtualBox environments. Proven track record of enhancing applications across on-premise, hybrid, and cloud infrastructures (Azure and AWS), with a strong focus on streamlining business processes through automation and technology-driven solutions.

Work Experience

Principal Engineer

Joe Laake Modernization Services, LLC.
January 2025 to Current

<https://www.joelaake.com>

Helping and assisting federal teams and prime contractors incrementally upgrade legacy .NET and SQL Server systems onto AWS— while the mission stays online and the code stays understandable.

Software Engineer NAVY/ARMY/USMC

Buchanan Edwards – Falls Church, VA (Remote)
May 2021 to December 2024

- Convert existing DoD SF-86 application to Microsoft Blazor for USMC recruiting
- Engineered a Hybrid (Desktop/WebApp) architecture with Design to Deployment SDLC
- Dev, Stage and Prod Server environment hosted on Azure
- Tortoise SVN with repo hosted on GitLab utilizing Azure Artifacts and Release deployments
- Engineered full stack on DHA .Net Win Forms, Web Forms and MVC applications
- Migrated SQL data (SSIS)
- Provisioned Azure Boards integrating Git and Azure Repo for multiple projects
- Created serverless durable functions
- API RESTful tests utilizing “Postman”
- SQL Server optimization, Index tuning and table partitioning for query performance
- MS IIS Web Server Administration for state maintenance
- Unit, Smoke and Regression Testing (Manual, Postman, Mock)

Software Engineer USAF Space, ARMY Futures

Boecore – Colorado Springs, CO
January 2019 to April 2021

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- Project "CAMMO" (SATCOM) engineering
 - Formal Agile Scrum environment utilizing Linux, VMWare, Bash, VIM
 - Git/GitHub/GitLab CI/CD Pipeline and YAML development
 - JIRA, Confluence and Atlassian Tools
 - C, C++, Python, Perl and Tcl (Tickle) scripts
 - Automating SOC to satellite/antenna communication.
 - Antenna Uplink and Downlink engineering with decimal to hexadecimal conversion
 - Byte math and C language
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- MS Dynamics 365 CDS/Dataflex design, development and ETL of MS SQL Server on premise
 - Lift and Shift for DoD Arlington National Cemetery within MS Azure Data Factory
 - Provisioned and lead Azure DevOps Agile Boards and CMMI process

Principal Operations Analyst USAF Space Command, NORAD

OST Global – Colorado Springs, CO
February 2016 to December 2018

- SQL Server design, development, ETL and administration
- Engineered existing Asp.Net web forms to the Asp.Net MVC
- EF6, Linq, Lambda and 'Aspose' for creation of dynamic MS Power point presentations.
- WCF development consuming data from 'DRRS' database
- Worked alongside 21st Comm and RMF
- SIPRnet hosting, VMWare, ATO (Authority to Operate) and Security Control and DISA STIGs
- Unit, Smoke and Regression Testing (Manual, Postman, Mock, Selenium)
- ASP.Net and SQL Server Development
- Solo developer tasked with application maintenance
- Tasked with STIGs, CDRL's, technical documentation, SDLC, technical refresh and Security
- NIPRnet and SIPRnet networks
- Integrated 3 separate ASP.Net web form applications into one ASP.Net web form application
- Imported dll's for the business logic of the existing applications and incorporating them into one single ASP.Net web form application along with a refactored data access layer
- Responsible for the deployment and Administration of 2016 Enterprise MS SQL Database
- Provisioned VirtualBox VM's inside the Cheyenne Mountain server and data center

Software Developer CDC-Center for Disease Control, ARMY

CACI – Colorado Springs, CO
August 2013 to February 2016

- Agile environment with a formal SCRUM methodology using "Version One" software
- .Net MVC5 development with an Oracle back-end on Army Internal Applications
- Implemented EF6 Reference architecture against Oracle Database
- Converted MS Winform and Silverlight development to MVC

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- Unit, Smoke and Regression Testing (Manual, Postman, Mock, Selenium)
- Responsible for full SDLC of 2 N-Tier applications between DCAS and NIOSH
- Asp.Net Web-Forms and MVC 4/5 with 2012 SQL Server backend
- ORM Entity Framework 6
- Designed and developed SQL Server 2012
- Engineered ADO.Net data layer with Code-First to existing SQL Db
- C#, Linq, Lambda for business Repository programming with a Generic<T> implementation
- Engineered Db first approach with integrated EDMX
- Asynchronous programming with jQuery Ajax and Json.
- Asp.Net ADO Server controls (i.e. Data-grids, Repeaters) in presentation layer
- IIS hosting with impersonation for file repository

Application Developer

Cincinnati Bell Telephone – Cincinnati, OH
February 2012 to August 2013

- Application and database development
- jQuery, Ajax, Web Services, Entity Framework, T-Sql, Lambda, WCF, Linq, C#, VB.Net
- Developed WCF Services
- WCF utilizing Entity Framework as the ORM.

Programmer Analyst

Private Health News – Cincinnati, OH
October 2010 to February 2012

- Development of Classic ASP and ASP.Net web applications with 2000/08 SQL Server
- Server Administration for Windows 2000 and 2008.
- Web Application deployment administration implementing SSL Certificates.
- Web Production Specialist Adobe PSD to XHTML.

Additional Experience

Sales Representative

Arlinghaus Builders – Edgewood, KY

Passenger Service Agent Team Lead

Delta Airlines – Cincinnati, OH. Fort Myers, FL. Miami, FL

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Education

ASIT - Software Engineering and Database Management

Cincinnati State Technical and Community College
Cincinnati, OH

Interests

- Active Government 'Secret' Clearance – DoD/DISS
- Church Involvement: Sunday School Teacher, Coaching "UPWARD" Basketball and A/V Stage Mgmt.

Certifications & Skills

- Dale Carnegie Sales and Leadership Training
- COMPTIA SECURITY+ (SY0-501)
- Microsoft® Certified: Dynamics 365 Customer Service Functional Consultant Associate
- Microsoft® Certified: Azure Fundamentals
- Microsoft® Certified Professional: Microsoft Certified Professional
- Microsoft® Certified Professional Developer: Web Developer 4
- Microsoft® Certified Technology Specialist: .NET Framework 4, Web Applications
- Microsoft® Certified Technology Specialist: .NET Framework 4, Service Communication Applications
- Microsoft® Certified Technology Specialist: .NET Framework 4, Data Access

Cloud Mastery AWS Solutions Architect, Engineering and DevOps Program

- Networking (ip addressing, subnetting, volumes, hypervisors, etc.)
- Linux kernel system administration
- AWS Solutions Architect Associate
- AWS Developer
- Python
- Terraform
- Kubernetes