

Alec Schrader

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Summary

Experienced Software Engineer with 7 years of expertise in designing, implementing, deploying, and maintaining innovative full stack web applications. Adept at utilizing modern web and cloud technologies to create secure and robust solutions to complex problems.

Work Experience

INHERET, Inc., Sep 2020 - Present

Full Stack Software Engineer - Remote

- Developed a sophisticated genetic risk assessment application using React.js, C# ASP.Net Core APIs, and SQL database to enable precise risk assessment and informed decision-making in over 6,000 patients.
- Collaborated with external clinic and laboratory IT departments to integrate report and order processing, creating a seamless user experience for healthcare providers and patients.
- Migrated company cloud infrastructure to Amazon Web Services (EC2, ECS, S3, RDS, Cloudwatch) using Terraform, increasing maintainability and decreasing cost by 40%.
- Implemented robust security controls in AWS to ensure compliance with HIPPA and SOC standards, safeguarding against attacks and data loss.
- Created and maintained CI/CD pipelines using GitHub Actions to automatically perform tests and deploy applications to multiple environments, reducing deployment efforts by 80%.
- Implemented automated unit and integration testing using NUnit, Jest, and Playwright, reducing QA and debugging efforts by 30%.

Paquette Software, Mar 2016 - Sep 2020

Full Stack Software Engineer - Remote

- Collaborated on a comprehensive survey and appointment tracking system utilizing C# ASP.Net MVC for state insurance recipients, contributing to the company's top ranking for reporting within the state.
- Engineered an integrated claims data submission portal with VB ASP.Net MVC, jQuery, and Bootstrap, resulting in a significant reduction in lead time for medical review on insurance claims.
- Designed and developed a customized CRM software solution in C# ASP.Net MVC for a medical imaging dealership, improving operational efficiency through streamlined warranty tracking and installation date management.
- Improved system load times by 30%, allowing improved user experience and efficiency by utilizing existing APIs and cloud deployments via AWS.

Education

Kalamazoo Valley Community College, Aug 2023 - AA, *English* - Kalamazoo, MI 3.9/4.0 GPA

Skills

Languages: C#, JavaScript, Python, HTML, CSS, VB

Frameworks: React, ASP.Net Core, Playwright, NUnit, Jest

Tools/Platforms: Amazon Web Services (AWS), Git, Docker, Terraform, GitHub, Jira, Visual Studio

Methodologies: CI/CD, Agile