Alec Schrader

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Summary

Experienced Software Engineer with 7 years of expertise in designing, implementing, and deploying innovative web applications. Proven track record of collaborating with cross-functional teams and clients to deliver tailored solutions.

Work Experience

INHERET, Inc., Sep 2020 - Present
Full Stack Software Engineer - Remote
- Revamped and optimized legacy user interface using React.js, resulting in a 50% decrease in customer support requests.
- Created a sophisticated C# ASP.Net Core application with a Microsoft SQL Server database utilizing patient data and NCCN cancer guidelines to enable precise risk assessment and informed decision-making in over 6,000 patients.
- Led the creation of a RESTful C# ASP.Net Core API and React.js user interface that integrates with a genetics laboratory for placing genetic test orders resulting in a 35% reduction in order processing time and a 45% increase in revenue.
- Migrated company cloud infrastructure to Amazon Web Services (EC2, ECS, S3, RDS, Cloudwatch) using Terraform, increasing maintainability and decreasing cost by 40%.
- Overhauled and optimized MSSQL database tables, views, and stored procedures resulting in, at times, 60% faster queries.
- Created and maintained CI/CD pipelines using Github Actions to automatically perform tests and deploy applications to multiple environments reducing deployment efforts by 90%.
- Implemented automated unit and integration testing using NUnit, Jest, and Selenium, reducing QA 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# and VB ASP.Net MVC for state insurance recipients, contributing to the company's #1 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 complex cloud deployments via AWS.

Education

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

Skills

HTML, CSS, JavaScript, Python, C#, React, ASP.Net Core, jQuery, LESS, Bootstrap, Material UI, Django, Microsoft SQL Server (MSSQL), Amazon Web Services (AWS), Git, Docker, Terraform, Playwright, NUnit, Jest, Github, CI/CD, Agile