Alec Schrader

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Summary

Experienced Software Engineer with 8 years of experience 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

USA Football, Apr 2024 - Present
Backend Software Engineer - Remote
- Utilized software testing tools such as Artillery and NUnit to identify and remedy performance bottlenecks in C# .NET Core APIs, resulting in a 20% increase in throughput and a 30% decrease in latency.
- Implemented account verification and fraud prevention measures leading to a nearly 50% reduction in fake accounts and fraudulent payments on the membership platform, increasing consumer confidence and company reputation.
- Provided application support on a rotating schedule utilizing tools such as JIRA, Elasicsearch, and Granfana to provide visibility and maintainability, ensuring software quality and excellent user experience.

INHERET, Inc., Sep 2020 - Apr 2024
Full Stack Software Engineer - Remote
- Developed a research-based genetic risk assessment application using React.js, C# .NET Core APIs, and a 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 cyber attacks and data loss.
- Constructed 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 and Playwright, reducing QA and debugging efforts by 30%.

Paquette Software, Mar 2016 - Sep 2020
Full Stack Software Engineer - Remote
- Contributed to the creation and implementation of over seven custom applications across healthcare, insurance, and eCommerce sectors utilizing numerous technologies such as Visual Basic, C#, .NET Framework, .NET Core, SQL, Javascript, jQuery, Bootstrap, and AWS, significantly enhancing the company's market presence and client satisfaction.
- Collaborated closely with diverse stakeholders to comprehensively define project scope and requirements, ensuring alignment with organizational objectives and end-user needs.
- Contributed to the maintenance and enhancement of existing software applications, implementing updates, bug fixes, and enhancements to meet evolving client needs and industry standards.

Certifications

AWS Certified Cloud Practitioner, 2023

Education

AA, English, Kalamazoo Valley Community College, Aug 2023 - Kalamazoo, MI 3.9/4.0 GPA
Relevant Coursework: Technical Writing

Skills

Languages: C#, JavaScript, Python, HTML, CSS, Visual Basic (VB)
Frameworks: React.js, .NET Core, .NET Framework, jQuery, Playwright, NUnit, Jest
Tools/Platforms: Amazon Web Services (AWS), Git, Docker, Terraform, GitHub, Jira, Visual Studio
Other: CI/CD, Agile