

# Alec Schrader

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## SUMMARY

Dedicated Software Engineer with 7 years of expertise in designing and implementing innovative web applications. Proven track record of collaborating with cross-functional teams and clients to deliver tailored solutions that streamline processes and enhance business outcomes. Recognized for driving projects to successful completion and exceeding client expectations.

## WORK EXPERIENCE

### INHERET, Inc.

Sep 2020 – Present

*Full Stack Engineer*

*Remote*

- Revamped and optimized a patient facing React.js interface, resulting in a 50% decrease in customer support requests.
- Created a sophisticated algorithm in ASP.Net Core utilizing patient data and NCCN guidelines to enable precise risk assessment and informed decision-making in over 6,000 patients.
- Led the creation of a RESTful ASP.Net Core API and React.js user interface, establishing a profitable new revenue stream for genetic laboratory test order processing and results management, resulting in a 35% reduction in order processing time and a 45% increase in revenue.
- Enhanced the precision of patient breast cancer risk assessment outcomes by implementing an C++ API layer that improved the Gail and Tyrer-Cuzick risk models, increasing accuracy by 30% over the previous solution.
- Migrated company cloud infrastructure to Amazon Web Services 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.

### Paquette Software

Mar 2016 – Sep 2020

*Full Stack Engineer*

*Remote*

- Collaborated on a comprehensive survey and appointment tracking system utilizing 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 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 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#, C++, React, ASP.Net Core, jQuery, LESS, Bootstrap, Material UI, Django, Django Rest Framework, Postgres, Microsoft SQL Server (MSSQL), Firebase, Amazon Web Services (AWS), Git, Docker, Terraform, Playwright