

# Alec Schrader

alecschrader@gmail.com ❖ (810) 588-1382 ❖ Grand Rapids, MI

[www.linkedin.com/in/alec-schrader-dev](https://www.linkedin.com/in/alec-schrader-dev) ❖ [github.com/alec-schrader](https://github.com/alec-schrader)

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## WORK EXPERIENCE

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### INHERET, Inc.

*Full Stack Engineer*

**Sep. 2020 – Present**

*Remote*

- Revamped and optimized a patient-facing interface, resulting in a 50% decrease in customer support requests.
- Created a sophisticated algorithm 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 API and 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 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

*Full Stack Engineer*

**Mar. 2016 – Sep. 2020**

*Remote*

- Collaborated on a comprehensive survey and appointment tracking system for state insurance recipients, contributing to the company's #1 ranking for reporting within the state.
- Engineered an integrated claims data submission portal, resulting in a significant reduction in lead time for insurance companies.
- Designed and developed a customized CRM software solution 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

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### Kalamazoo Valley Community College

*AA, English*

**Aug. 2023**

*Kalamazoo, MI*

- 3.9/4.0 GPA

## SKILLS

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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, Agile