



Powered by Passion



# CASESTUDY

Built and Automated test cases for  
a leading EHR company.

## About the company

Leading California based EHR company that provides Practice Management, Revenue Cycle Management Solution on iPad, iPhone, and Web.

### Business Goals

- Create a comprehensive, maintainable, enterprise level testing process
- Improve product quality by automating all regression test cases
- Unified approach to test web application across different browsers, mobile application across different devices

### How Zuci helped

- Zuci's Test Automation framework built using Selenium & python helped automate their web and mobile applications in shorter span of time
- Zuci team understood customer's development / release cycle and implemented CI/CD
- For a live product from customer, Zuci reverse engineered and set up testing process.

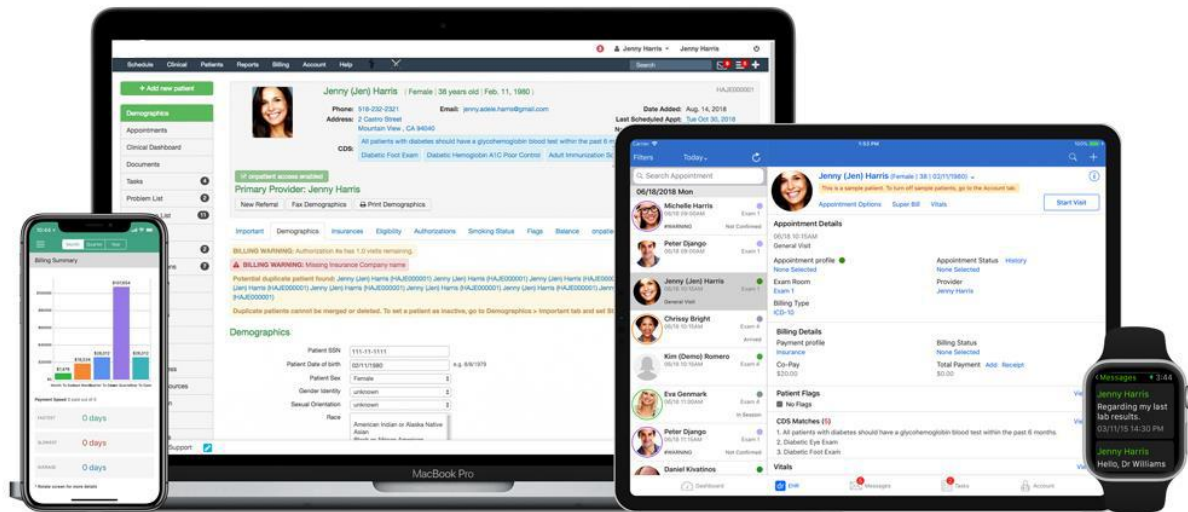
## Challenges

- No proper QA for comprehensive suite of products
- Frequent production releases
- Deficient information for Go-No go decisions
- Service based architecture where services are both internally and publicly consumed

## Solutions



- Understood product suite and created test cases
- Developed solid scalable test automation framework with ability to test web, mobile and API
- Setup continuous testing with CircleCI
- Setup cloud-based test execution environment with SauceLabs to run web & mobile tests on different OS, browser & device combination



## Outcomes

- 1000+ regression cases created and 500+ test cases automated in 3 months
- Continuous Testing with Circle CI smoke test for every check-in, full nightly regression
- Code quality analysed using PyLint & Black
- Intelligent Test selection leading to quick turnaround time in assessing the product quality
- Early defect prediction leading to better Go to Market decisions

*“We are glad that we had an opportunity to implement EPIQ (Engineering Productivity in Quality) which was built based on the test selection/failure prediction framework using python, for one of our customers which helped in extensive usage of all its features.”*

- Sujatha Sugumaran, Head of Quality Engineering

## Tech Stack



### About Zuci

We are revolutionizing the way software platforms are engineered with the help of patented AI and deep learning models. Driven by our competency in delivering superior customer experience, business efficiency, and actionable insights we have evolved to developing cutting-edge technology with a nimble and collaborative approach.



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