MICHIGAN STATE UNIVERSITY

Alpha Presentation

Code Quality Intelligence System

The Capstone Experience

Team Auto-Owners

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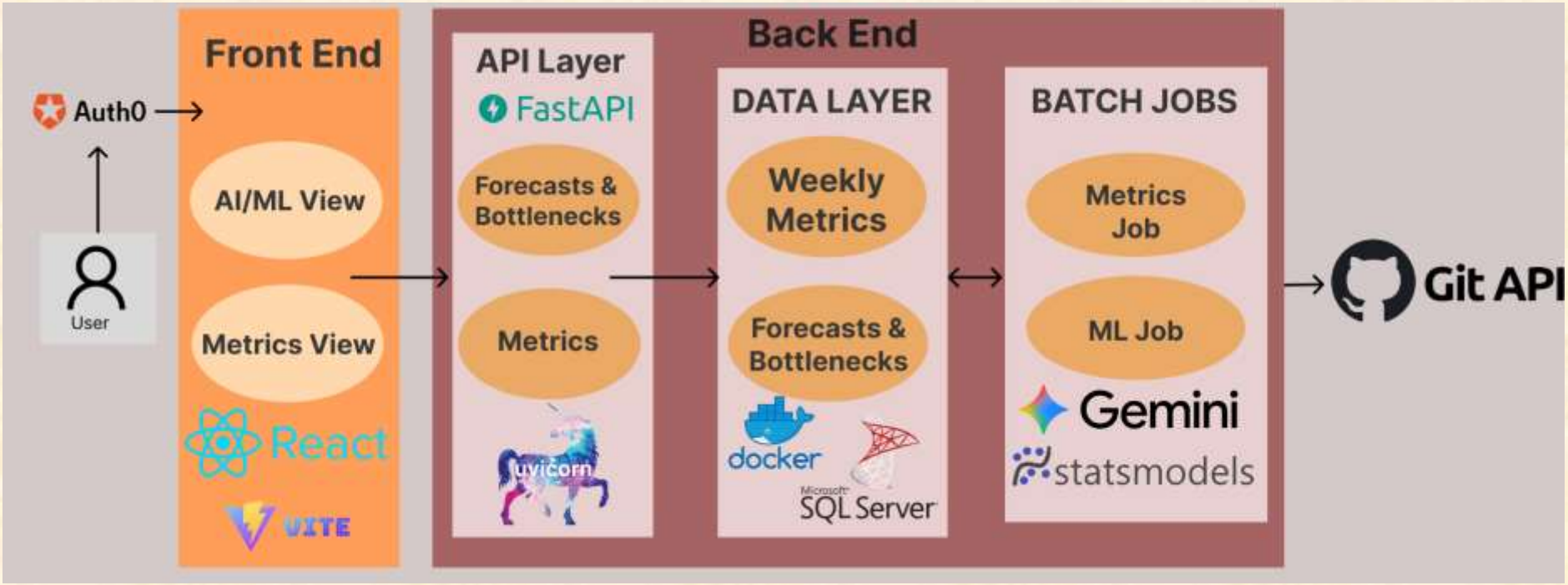


From Students…
…to Professionals

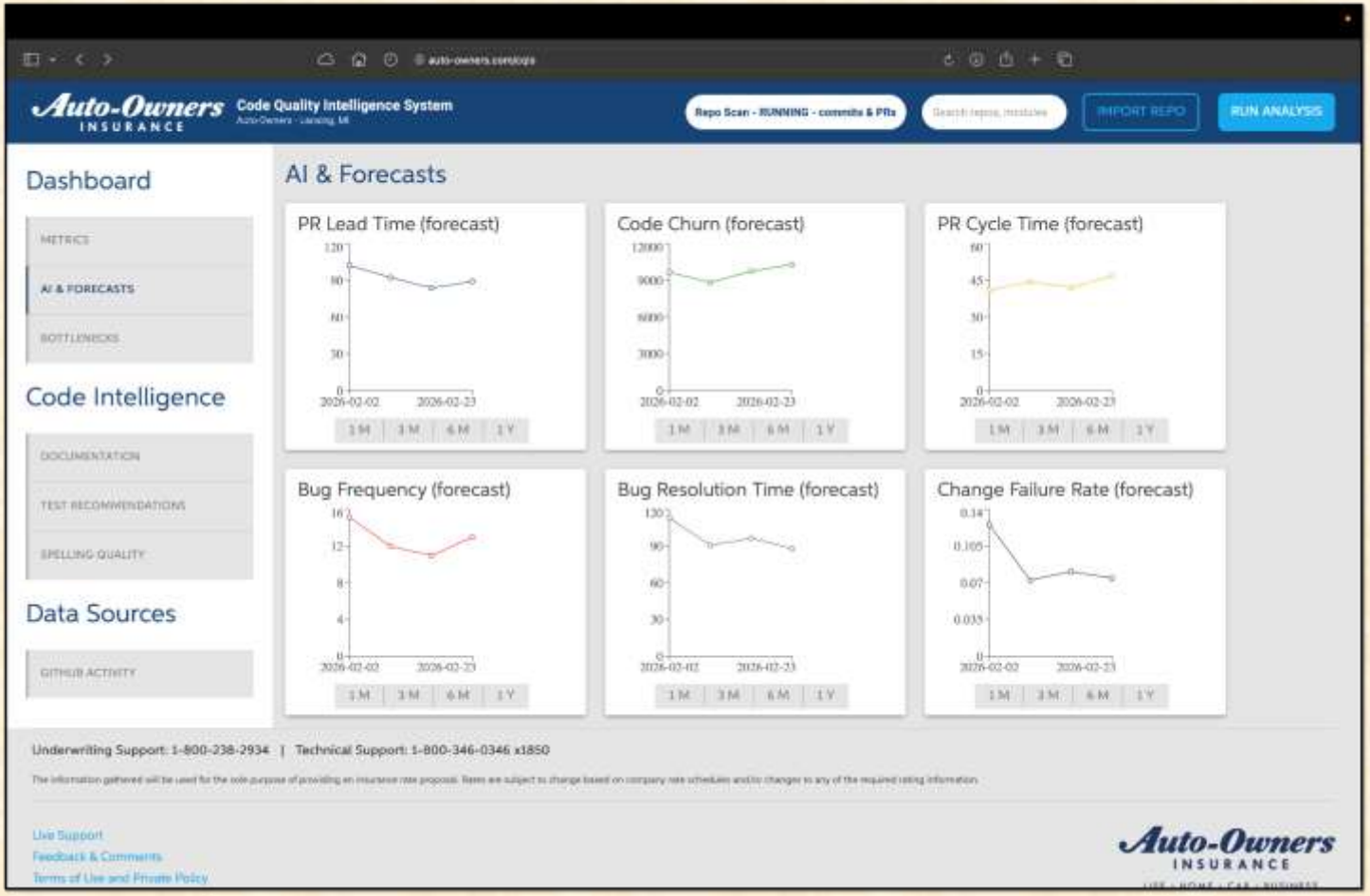
Project Overview

- Tool for Auto-Owners software development team
- Displays code quality analysis through an interactive dashboard
- Generates suggestions for unit tests and documentation
- Provides spelling checks

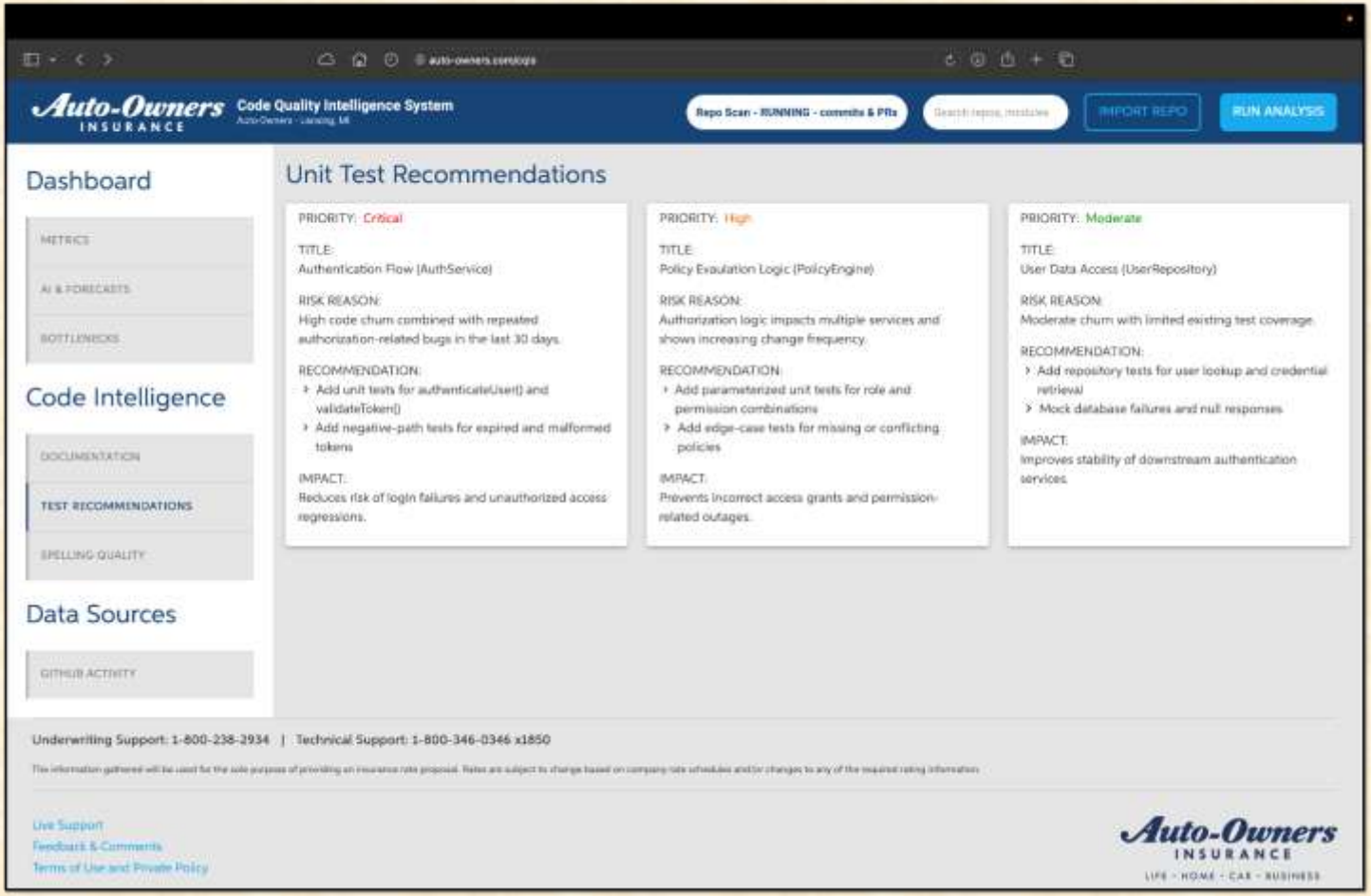
System Architecture



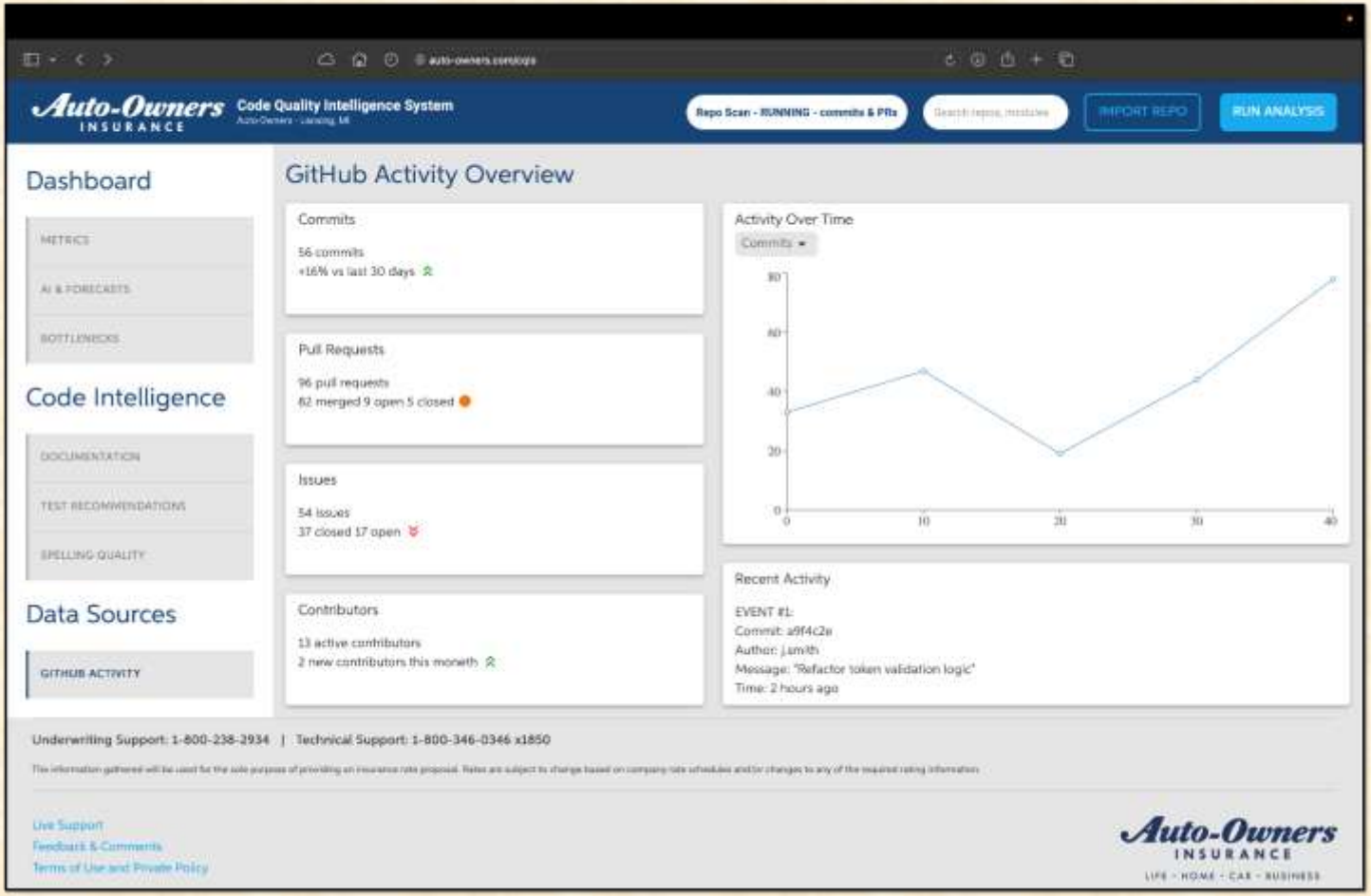
AI & Forecasts Page



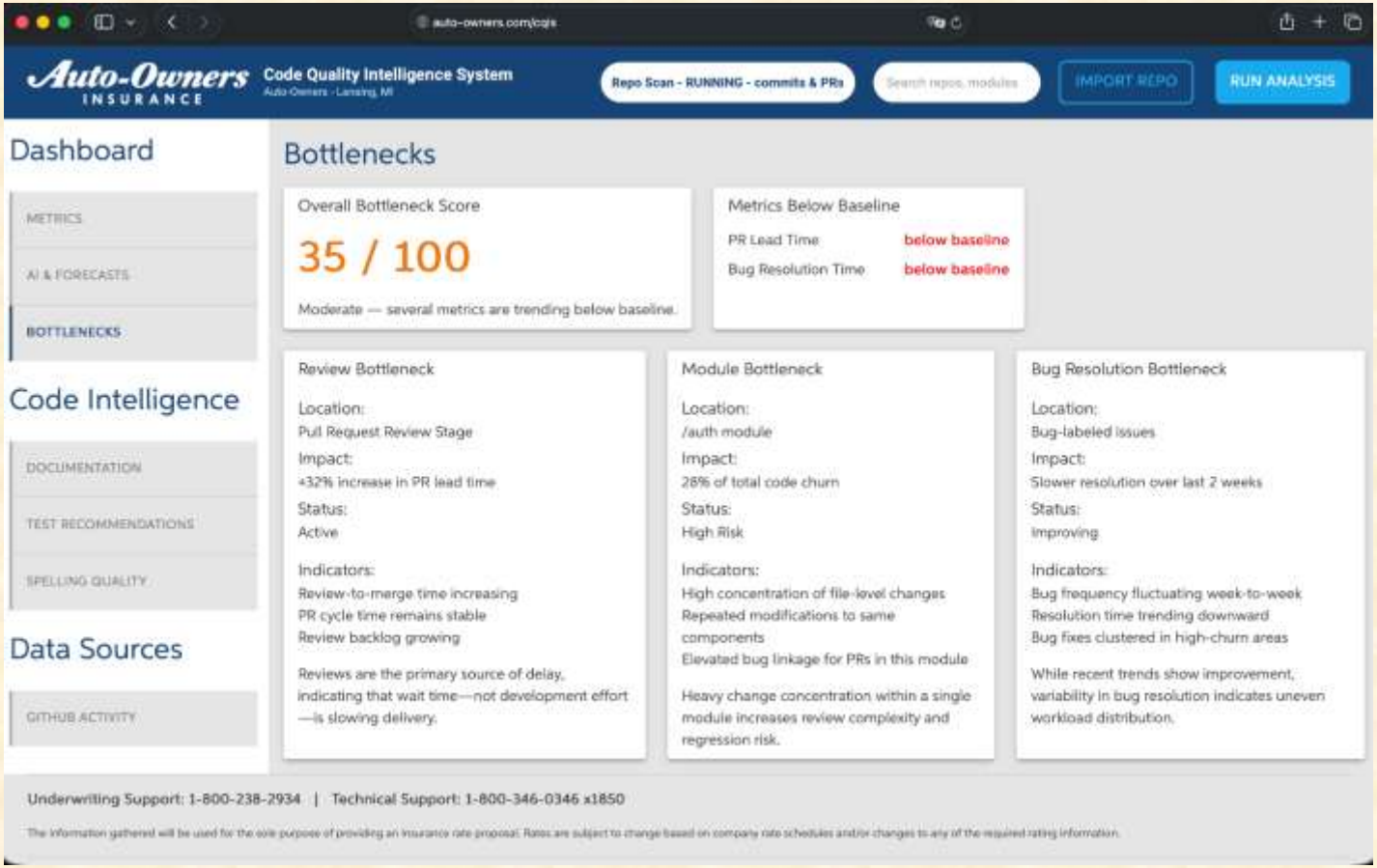
Unit Test Recommendations Page



GitHub Activity Overview Page



Bottlenecks Page



What's left to do?

- Authentication
- Test Recommendations (Backend)
- Documentation (Backend)
- GitHub Activity (Backend)
- Implementing adjustable bottleneck weights
- Forecasting accuracy

Questions?

