Agentic PR Risk Auditor

AI Hackathon San Francisco x Hamburg

By Acme

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The Team

Maiya

Front-End Developer

HAW HAMBURG

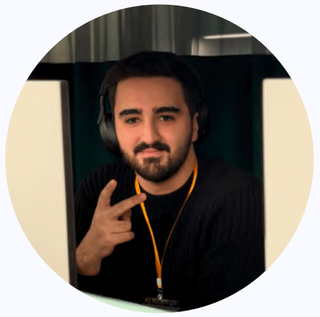
AIRBUS

Amir

Developer

CONSTRUCTOR UNIVERSITY

JET BRAINS



Danial

Front-End Developer

CONSTRUCTOR UNIVERSITY

Problem

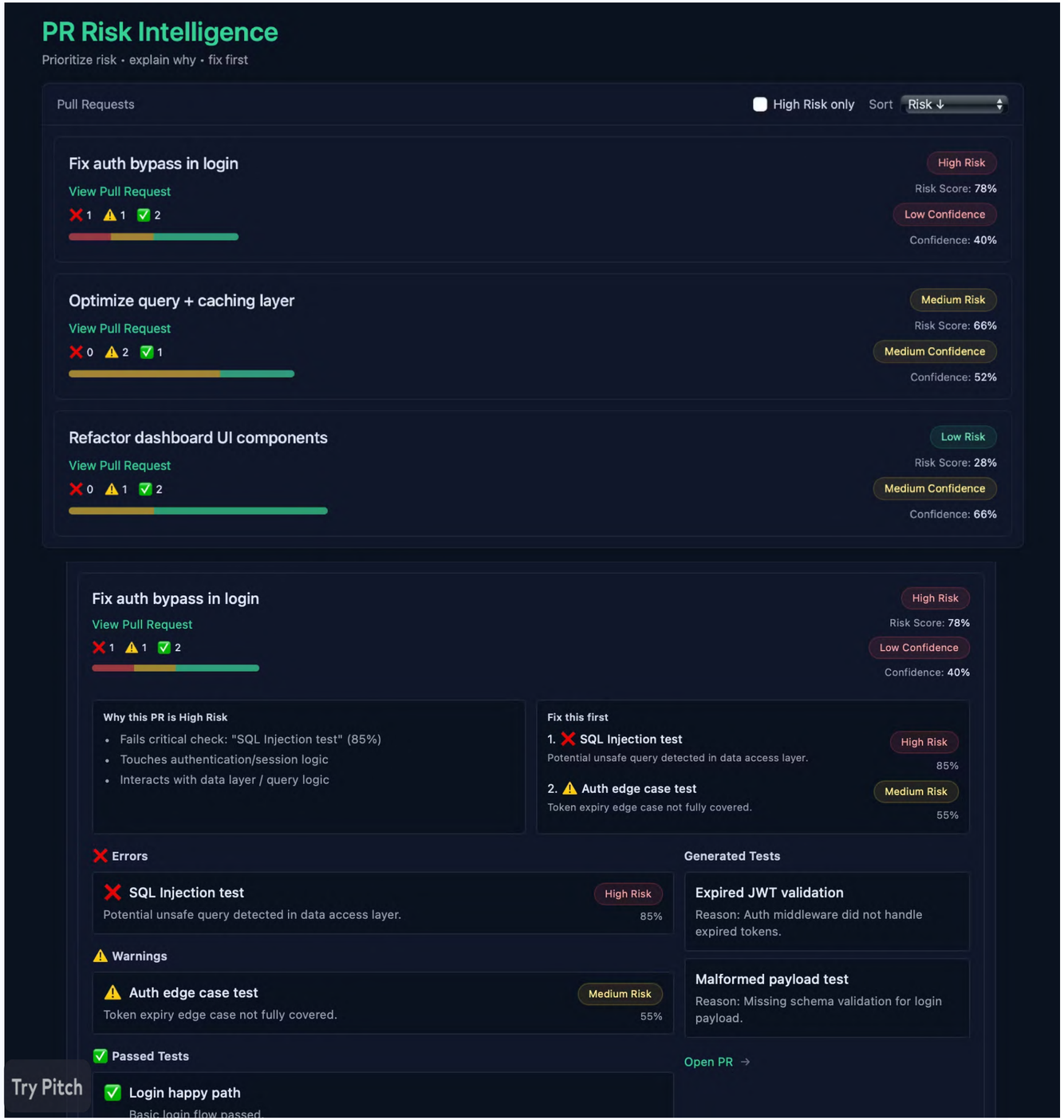
Modern software teams handle **dozens to hundreds of pull requests daily**.

Some PRs introduce **hidden, high-impact risks**:

- Authentication & authorization bugs
- Database integrity issues
- Security regressions
- Broken assumptions not covered by tests

Manual review does not scale:

- Reviewers miss edge cases
- Tests are missing, weak, or outdated
- Risk assessment is subjective and inconsistent
- Running AI generated tests can introduce new risks



Solution

An Agentic PR Risk Auditor that enforces **evidence-based validation before merge** with CodeRabbit and Daytona technology.

The system **automatically**:

- Analyzes what a PR actually changes
- Identifies its risk surface
- Generates targeted tests
- Runs the tests in an isolated Daytona sandbox
- Summarizes risk clearly for reviewers

Value

✅ Safer merges
⚡ Faster reviews
📊 Objective, consistent risk assessment
🔐 Security & correctness enforced ***before*** production