

Developers



(a) create
commits

GitHub Projects

Commits



(b) triggers builds

Travis CI

Builds with
failing tests

(d) list of builds

List of
projects

(c) configures

Repairnator Bot

CI Build Analysis

(e) list of interesting
builds

Bug Reproduction

(f) list of reproduced
bugs

(g) produces

Patch Synthesis

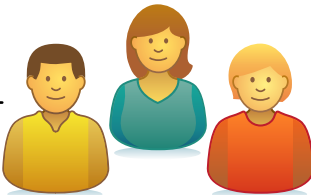
(h) archives

(i) analyzes and
confirms

Patches

collected
repair data

(k) analyzes



Research
community

Repairnator
patch analyst

(j) proposes
patches

