

Kostas Pagratis

Sr. Software Engineer

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Summary

I am a highly motivated Software Engineer who thrives on developing software to be used every day. I'm passionate about improving code through best practices, clean implementation, and test tooling. I have a track record of learning new technologies and adapting to unfamiliar code quickly. I love being a force multiplier and SME on my team and accomplish this by pair programming and tight collaboration.

Skills

Recent Java, Scala, JUnit, Mockito, Database Integrations, SQL, JavaScript, Python, Distributed Systems, Kafka, Git, REST
Past Rust, AWS, GCP, Unix Scripting, Ant, Maven, C, C++, React, Redux, AngularJS

Work Experience

Workday

Boulder, CO

Sr. Software Engineer

Feb. 2023 - Present

- Took ownership of the Storage subsystem of our project and added PostgreSQL backend support. This allowed me to remove support for 2 database technologies spanning 60 classes that were awaiting deprecation. This resulted in a simplified codebase and less cognitive overhead for my teammates.
- Using my experience in DB testing, I improved test tooling by sharing database instances and truncating tables between tests, which improved test suite execution times by 66%.
- Developed a try based implementation of Exception (Try), that standardized the way error handling is performed in our system. Try improved code quality by surfacing multiple hidden bugs caused by an error prone existing abstraction over Exceptions which was developed without clear guardrails preventing developers from ignoring Exceptions.
- Mentored junior developers in topics such as bug investigation, implementation, and conflict resolution.

Twitter

Boulder, CO

Sr. Software Engineer

Oct. 2015 - Jan. 2023

- Developed an embedded MySQL testing framework now included in finagle and finatra OSS projects facilitating embedded integration testing for MySQL backed services. Additionally developed internal enhancements to integrate with build and CI systems used at Twitter seamlessly. Drove widespread adoption by migrating users and liaising with teams to prioritize efforts.
- After stumbling upon a testing bug caused by multiple versions of mockito on the classpath, I took it upon myself to upgrade mockito for thousands of tests in order to prevent other developers from experiencing this difficult to diagnose bug. I was able to upgrade all of the tests across my Org, as well as throughout Twitter's code base which resulted in a unified look and feel across teams, therefore reducing cognitive overhead of developers.
- I was responsible for leading an effort to design and implement an API to help customers stay compliant with not only Twitter's data licensing agreements, but also GDPR. This API enabled customers to periodically check, in bulk and asynchronously, whether tweets or users in their datasets needed to be purged.
- Headed a team responsible for migrating hundreds of build scripts from our in-house build system to the industry standard Bazel. This was part of a company wide effort to move our tech stack away from bespoke solutions. This migration took 4 months, including fixing and refactoring incompatible code layouts, and was completed on schedule with no regressions.
- Mentored junior developers and interns from new hire to first promotions.

Flatirons Solutions

Boulder, CO

Technical Lead

May 2008 - Oct. 2015

- Led various teams in implementation, design, team management, and customer delivery tackling custom digital asset management projects across multiple sectors to customers like Disney, Cambridge Assessment, and Boeing.

Rogue Wave Software

Boulder, CO

Consulting Engineer II

Aug. 2005 - May 2008

- Provided on-site consulting with customers for requirements gathering, design specification, solution installation, testing, and debugging.

Education

University of Colorado

Boulder Colorado

B.S. in Computer Science and Engineering

Dec. - 2004