Harsh Patel

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EDUCATION

University of Illinois at Urbana-Champaign   Graduated May 2015
Bachelor of Science in Computer Science   GPA: 3.60

PROFESSSIONAL EXPERIENCE

National Instruments
Software Engineer Intern   *Summer 2013*

Bazaarvoice
Software Engineer Intern   *Summer 2014*
Software Engineer I   *May 2015 – May 2016*
- Ensured client PII data was not stored in plaintext by implementing feature for clients to send RSA encrypted email addresses in XML feeds.
- Worked closely with QA team to refactor the team's integration test suite by splitting long-running tests into parallelized pieces, consolidating duplicated code, and removing obsolete tests.

Software Engineer II   *May 2016 – November 2017*
- Reduced email sending costs 10x and significantly reduced delays in integration testing by integrating email-sending application with Amazon SES.
- Led development of a client-facing email metrics dashboard tracking email sends, deliveries, bounces, complaints, opens, link clicks, unsubscribes, and subsequent conversions.
- Reduced peak CPU load 10-35% and saved 50% over purchasing more powerful servers by identifying and implementing fixes for performance issues in the team's MongoDB clusters.
- Reduced the number of troubleshooting questions asked by support teams by developing an Angular application using internal APIs.
- Collaborated in integrating a functional test framework in Dropwizard applications. Shaved hours off deployment preparation by replacing flaky and long-running integration tests with quick functional tests.

Senior Software Engineer   *November 2017 – Current*
- Increased email engagement rate on average 10% by developing feature allowing clients to select time of day to send emails.
- Led development of a React & Redux application for clients to configure product-wide settings.
- Migrated live application backend from Python Flask to Java Spring and integrated with a new client portal authentication.
- Collaborated in building new service to respond to the team's GDPR data reporting and data clean up requests.

PERSONAL PROJECTS

Roast My Game
- Developed this site after having trouble receiving feedback for games that I had created. Game developers can sign up, add their game, and give and get feedback.
- 1000 users have signed up, 400 games have been posted, and 1500 roasts have been made.

News Tab
- Developed a Chrome extension for the new tab page after I was unable to find an existing one that was quick and resource-light. Displays RSS feed, weather, and user's most visited sites.
- 2x faster than Chrome's default new tab page by forcing local cache of external resources, combining local resources, using CSS-driven animations.

Please see https://harshpatel991.github.io for additional projects and skills.