

# Harsh Patel

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## EDUCATION

**University of Illinois at Urbana-Champaign**

*Bachelor of Science in Computer Science*

Graduated May 2015

GPA: 3.60

## PROFESSIONAL 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 Java integration test suite.

*Software Engineer II*

*May 2016 – November 2017*

- Reduced email sending costs 10x and significantly reduced delays in testing by integrating Java micro-service 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% 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 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 micro-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.
- SSL Certificate with Lets Encrypt and certbot.

**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.