

Biren Barodia

Software Engineer

Milpitas, CA - Email me on Indeed: [indeed.com/r/Biren-Barodia/398eefe61600795b](https://www.indeed.com/r/Biren-Barodia/398eefe61600795b)

WORK EXPERIENCE

Software Engineer

Yahoo - Sunnyvale, CA - September 2013 to Present

Fantasy Sports Backend

- Implemented APIs to read data out of redis and in-house database vespa.
- Implemented roster alerts to send out alerts to team owners before games begin.
- Write the application logic and coordinate changes with client.
- Helped with the hardware procurement process by collecting extensive performance metrics
- Implemented customized monitoring with JMX beans

Dynamic Pages

- Maintained and improved a legacy system that generates aliases for urls for players, teams and events.

Fantasy Push Notifications

- Used a combination of Redis and Storm to generate fantasy push notifications
- Handle subscriptions of users and making sure their choices are honored
- Used Gearman to ingest data from legacy fantasy backend

Sports Notifications

- Implemented Sports game start/ game end notifications
- Auto-subscribed users to their favorite teams

Winter Olympics

- Drive the correctness for a portion of the sports held at the event
- Interacted with frontend teams to make sure the modules will work through the real time events smoothly
- Made sure that all pages were generated correctly

Sports Backend

- Working through multiple layers of the backend stack to make sure that the data served is correct
- Stabilizing it with more tests and monitoring

Software Protocol Stack Engineer

Qualcomm - San Diego, CA - February 2012 to Present

Analyse logs and debug crashes.

Fix code and verify using on-target/ off-target tests.

Technical Software Engineer and Summer Intern

Yahoo! Inc - Burbank, CA - May 2010 to February 2012

Execute projects and maintain application used by QA's across the company

- Application is used to organize the testing process for products and thus facilitate continuous integration

Assistant Systems Engineer

Tata Consultancy Services (TCS) - Mumbai, Maharashtra - August 2007 to December 2008

Mumbai, India

- Developed, migrated & maintained code for QPortal
- Designed & created a workflow tool for keeping track of Six Sigma projects at TCS
- Maintained an OLAP tool which displays health of projects

EDUCATION

Master of Science in Computer Science

University of Southern California - Los Angeles, CA
December 2010

Bachelor of Engineering in Computer Science

Fr. Conceicao Rodriguez College of Engg. - Mumbai, Maharashtra
August 2007

ADDITIONAL INFORMATION

TECHNICAL SKILLS

Languages, Datastores And Frameworks: Java, C/ C++, Oracle, MySQL, Redis, PHP, Perl, JavaScript, Storm, Jersey

Programming Tools: IntelliJ Idea, TestNG, FireBug, Eclipse, SVN, Git

Operating Systems: Linux, Windows, Mac OSX

PROJECTS

Test Manager, Yahoo Inc., Burbank

- Created Jersey based RESTful webservice to input data through with a YUI front end
- Used JSON to query and retrieve records to render YUI data tables and charts
- Migrated from jxl to Apache POI libraries for import/export records to Excel
- Interacted with QA's to understand their requirements and incorporated changes to the application
- Unit-Tested new functionality implemented in Spring controllers using TestNG framework
- Used annotations to automate result insertions using test manager webservice

Association of Indian Students, USC

- Developing the website for AIS with new look and feel

Web Registration System, Computer Networks, USC

- Implemented web-based course registration system with socket programming
- Modeled inquiry and registration of courses

Dynamo, Adv. Computer Communications, USC

- Implemented Amazon.com's Dynamo system
- Simulated the communication system underlying this distributed system

Spatial Database, Database Management, USC

- Designed & created a database for spatial database
- Queried and plotted topological features onto a map