

Deepak Rawat

(Apple)

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EDUCATION

• Delhi College of Engineering

Bachelor of Engineering in Computer Science

Delhi, India

Aug. 2006 – July. 2010

EXPERIENCE

• Apple

Software Engineer

Hyderabad, India

Oct 2018 - Present

- **Workbench** : Workbench is an Apple tool for managing Ad campaigns on Apple platforms. As a backend lead, I am leading a team of 5 developers which includes 2 FTE's and 3 Vendors.
- **JDK11 Migration::** Lead a team of 3 vendors which migrated 5 applications from Oracle JDK8 to AppleJDK11.
- **Session Management::** Re-designed session management by integrating with ACI Redis and making sessions shareable across applications. The new design helped to simplify the overall session management and made it possible to remove session persistence(stickiness) managed via Load Balancers.
- **External API's:** Led a team of developers for implementing a new set of requirements which were part of Apple's contractual renewal with NBCU. From the integration standpoint, I was responsible for adding versioning support, and developing new endpoints and upgrading existing endpoints.
- **FFmpeg:** Prototyped and Integrated FFmpeg an open-source library for transcoding video ads uploaded by Publishers and Resellers on Workbench. FFmpeg replaced AWS Elemental which was going to run out of contract and was difficult to manage on On-premises.

• Google via Epam Systems

Software Engineer

Hyderabad, India

Mar 2017 - Oct 2018

- **Alkali:** Was part of the team that was responsible for developing and maintaining web apps build using Alkali platform, which is an internal platform-as-a-service built with Angular and Java. Gandalf, Waze, TFScheduler, Chameleon and SmartTap were some of the apps I worked on day to day basis. These apps were used by Google's partners to interact with Google in a consistent and scalable way.
- **AppCertifier:** Designed, developed and integrated the web client for the AppCertifier. Integrations involved web client pairing with Android instances hosted on Google Cloud via VNC protocol over web-sockets.

• Microsoft

SDE 2

Hyderabad, India

Feb 2016 - Feb 2017

- **Gallery Migration:** Responsible for end to end migration of 10,000+ extensions from <https://visualstudiogallery.msdn.microsoft.com/> to <https://marketplace.visualstudio.com/>. I owned the migration of end-user and publisher activities on the marketplace, and along with that wrote the migration jobs to migrate extension and user data. Later, set up the test environment for validating the migration strategy.
- **Marketplace:** Primary responsibilities included building new features for Visual Studio Marketplace. With the work I did at the client side, we were able to bring down the document size of the homepage from 240 Kbs to 37 Kbs.

• Quikr.com

Senior Software Engineer

Bangalore, India

Nov 2014 - Jan 2016

- **Homes:** Primary responsibilities included bootstrapping the real estate portal <http://www.quikr.com/homes> on a new technology stack with an initial 3 member team. Responsible for the architecture of the MVP(map search/ filtering/ post ad/ detail page) on AngularJS.
- **Build Automation:** Automated the build process using Gulp/Browserify and educated the team with the same.

• 99acres.com

Senior Software Engineer

Noida, India

Mar 2012 - Nov 2014

- **Rate Limiter:** Implemented and Integrated a Rate Limiter along with Google reCAPTCHA to prevent automated abuse on user submitted responses to improve the quality of leads by nearly 70%.
- **Apache Flume:** Proposed and Integrated Apache Flume for efficiently collecting, aggregating and moving nearly 6M log entries everyday which was earlier done in an inefficient and non scalable way through SQL replications.

PROGRAMMING SKILLS

• **Languages:** Java, JavaScript, PHP, SQL, HTML

Technologies: Spring, AngularJS, GCE, GIT