# JIN W. ROH

hello@jinwroh.com          (408) 204-3802          Woodside, NY 11377

## WORK EXPERIENCE

### Senior Software Engineer @ Dialpad Inc.
*New York, NY  //  Nov 2018 - Sept 2019*

*UberConference & Dialpad Android Application*

- Led and mentored a team of 3 to develop **(Java / Kotlin)** and publish UberConference Android Application to the Google Play Store. UberConference is a web conferencing application, similar to Zoom.
- Implemented the database layer and interface using **SQLite**, and migrated to RoomDB later.
- Set up the **unit and regression testing** frameworks using Roboelectric and Espresso.
- Developed the Dialpad Android **(Java / Kotlin)** application. Similar to Google Voice, Dialpad is a business / virtual phone system that assigns new business numbers to users.
- Collaborated in a team of four to deliver features such as VoIP, call controls, search, and chat messaging.

### Software Engineer @ Dialpad Inc.
*San Francisco, CA  //  Jan 2015 - Nov 2018*

*Mobile Analytics Backend Microservice*

- Set up the mobile analytics backend service in **Django (Python)**, and integrated with Dialpad's main analytics event processing stream in **Kafka**.
- Analyzed user actions and events to gain insights, perform A/B testing, and monitor unusual activities.
- Developed mobile specific **REST APIs** in the product backend, such as finding currently active users, VoIP call setup and teardown, and mobile screen sharing.
- Integrated push notifications to support real-time messaging from server to mobile apps.

### Software Engineer @ Spartan Software Inc.
*San Francisco, CA  //  Jun 2013 - Jan 2015*

*Translation Asset Management System*

- Developed a distributed file sharing system for the Localization department of our client, VMware. The platform allowed managers to upload source documents, and translators would then download, translate, and re-upload the files back to the system.
- Used **MySQL** for database: implemented the link between the documents to multiple translated files.
- Supported large file uploads (1GB+) with pause / resume features by chunking files by using HTML5's File API. Integrated Backbone.js with Marionette.js **(Javascript)** for the frontend.
- Used load balancer **(Ngnix)** to support concurrent uploads and scale, and **S3** for object storage.

*Linguistic Quality Evaluation Service*

- Created an online platform to allow translators to peer-review translated documents for our client company. Developed using **Django (Python)** and deployed on **AWS EC2 (Amazon Web Services).**
- Implemented the online document review functionality, allowing reviewers to compare the original document with the translated ones, flag errors, comment on segments, and score translations.
- Used **Memcached** to speed up read time by storing strings while a review was in session.
- Continued support and maintenance **(CI/CD)**: created test plans, and held weekly meetings with clients.

## INDEPENDENT PROJECTS & MISC.

### Sabbatical
*New York, NY  //  Sept 2019 - Present*

*Hanzicards Project*          *www.heyhanzicards.com*

- Took 1 year sabbatical to travel (until COVID) and to focus on personal interests (**UI/UX**) before I turn 30.
- Designed and developed a beautiful app during COVID to help myself study Chinese after learning UI/UX. Live on App Store (**iOS**) under my personal LLC!     *https://apps.apple.com/app/id1530520443*

## EDUCATION

### University of California - Berkeley
*Berkeley, CA  //  Aug 2009 - May 2013*

- Bachelor of Science: Electrical Engineering and Computer Science (**EECS**)