

# JIN W. ROH

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## WORK EXPERIENCE

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### 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 (**Nginx**) 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.

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### Sabbatical

New York, NY // Sept 2019 - Present

#### *Hanzicards Project*      [www.heyhanzicards.com](http://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

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### University of California - Berkeley

Berkeley, CA // Aug 2009 - May 2013

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