

# JIN W. ROH

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## EDUCATION

### University of California - Berkeley

Berkeley, CA // Aug 2009 - May 2013

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

## WORK EXPERIENCE

### Software Engineer - Backend @ 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.
- Supported large file uploads (1GB+) with pause / resume features by chunking files to **S3**.
- Used **Nginx load balancing** to support concurrent uploads and scale.
- Implemented the link between the source documents to multiple translated files. Used **MySQL** for database.

#### Linguistic Quality Evaluation Service

- Created an online platform to allow translators to peer-review translated documents for our client company, TausData. 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, and to flag errors, comment on segments, score translations.
- Used **Memcached** to drastically speed up read time to store strings while a review was in session.
- Lead the User Acceptance Testing with stakeholders. Created test plans, and held weekly meetings with clients.

### Software Engineer - Mobile @ Dialpad Inc.

San Francisco, CA // Jan 2015 - Nov 2018

#### Dialpad Mobile Analytics Backend Microservice

- Implemented the mobile analytics backend service in **Python (Django)**, and integrated to the Dialpad's main analytics stream processing in **Kafka**.
- Developed mobile specific APIs in the product backend via **REST**, such as finding currently active users, VoIP call setup and teardown, and mobile screen sharing.
- Integrated push notifications to support real-time messaging to both iOS and Android apps from backend

### Senior Software Engineer - Android @ Dialpad Inc.

New York, NY // Nov 2018 - Sept 2019

#### UberConference Android Application <https://play.google.com/store/apps/details?id=com.uberconference>

- Led a team of 3 to develop and publish UberConference Android Application (**Java**) 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 after two years.
- Set up the unit and regression testing frameworks using Roboelectric and Espresso.

#### Dialpad Android Application <https://play.google.com/store/apps/details?id=co.switchapp>

- Developed the Dialpad Android (**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, contacts management.
- Utilized the audio and video API to implement voicemail and video playback functionality.

## INDEPENDENT PROJECTS & MISC.

### Sabbatical

New York, NY // Sept 2019 - Present

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

- Took 1 year sabbatical to travel (until COVID happened) and focus on personal interests (**UI/UX**) before I hit 30.
- Formed my personal, single member LLC (picopinch.com) and did some freelancing work before COVID.
- Designed and developed a beautiful app during quarantine to help users study Chinese after learning **UI/UX**. Live on App store: <https://apps.apple.com/app/id1530520443>

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