

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** as a load balancer to support concurrent uploads and scale, and **Docker** for deployment.
- Implemented the link between the 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. 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 to store strings while a review was in session.
- Led the User Acceptance Testing: created test plans, and held weekly meetings with stakeholders.

Software Engineer - Mobile @ Dialpad Inc.

San Francisco, CA // Jan 2015 - Nov 2018

Dialpad Mobile Analytics Backend Microservice

- Implemented the mobile analytics backend service in **Django (Python)**, and integrated to the Dialpad's main analytics stream processing in **Kafka**.
- 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 to 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

- 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 under my personal LLC! <https://apps.apple.com/app/id1530520443>