

# Avichal Pandey

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## Education

2010–2014 **BTech**, *The LNM Institute of Information Technology*, Jaipur.

## Experience

Jan 2018 **Software Engineer**, *Senic GmbH*, Berlin.

Present

- o Developing the application stack on Senic's Smart Home Hub. It integrates with multiple home automation IOT devices. Application stack includes Python based HTTP/REST APIs and integration with devices over Bluetooth/BLE protocol.

Nov 2016 **Software Engineer**, *MyStacks Inc.*, San Francisco.

Dec 2017

- o Worked on a collaborative electronic signature tool to allow users to sign and request for signatures on legal documents.
- o Created the de-duplication module using various NLP techniques such as w-shingling and locality sensitivity hashing to compare a large number of legal documents in real time. This module helped in eliminating duplicates and protecting data integrity of the system.
- o Collaborated on the Lawyaw text editor. A web based text editor built for Lawyers to draft legal documents. It was built using React.js and Draft.js.

Dec 2014 **Software Engineer**, *Grofers India Private Limited*, Gurgaon.

Nov 2016

- o I worked on the first MVP of Grofers Application using python with Django framework and Postgresql as the main data store.
- o I developed product Navigation and Search service for Grofers web and mobile apps using Elasticsearch as the datastore.
- o I worked on Re-architecting the monolith backend system into microservices using Flask, Django and Node.js at the application layer. Postgresql and MongoDB at the storage layer and Redis as the caching solution.

April 2014 **Software Engineering Intern**, *Startup Labs Infotech Pvt. Limited*, Jaipur.

June 2014

- o Developed a video-chat web application using webRTC for a third-party webpage integration which enables users to interact while browsing the website.

## Open Source

Oct 2018 **cljdoc/cljdoc**, *A central documentation hub for the Clojure community.*

Present

- o Help maintain the project by fixing bugs, adding new features and improving documentation.

## Skills

Languages: **Python, Clojure, Clojurescript, Javascript, C.**

Datstores: **Postgres, Redis, Elasticsearch, MongoDB.**

Infrastructure: **AWS, Google Cloud Platform, Ansible, Docker.**