

# Ravi Vagadia

Ahmedabad, Gujarat

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## SUMMARY

- Lead & mentored software teams to design, develop and deliver high quality software.
- Excellent problem solving skills across platforms.
- Focused on continuous improvements in processes & workflows to improve team efficiency.
- Passionate about building distributed systems, cloud infrastructure & mobile apps.

## POSITIONS

**AVP - Software Products** at **Azoi**, <https://www.azoi.com>, *Ahmedabad*, 4/2015 – current

- Work with cross functional teams to make quick prototypes, help solve critical problems & provide technical guidance.
- Lead a team of app developers to design and build Kito+ SDK for Android & iOS, and create Kito+ app for Kiosk.
- Lead software team to build analytics engine to visualize Kito usage patterns.
- Took initiative to spread awareness about new technologies like react, react-native and nodejs ecosystem in software team.
- Actively involved in code reviews, ensuring good practices and effective usage of CI systems.
- Responsible for collaborating with business partners on technical side to achieve business goals.

**Lead - Software Products** at **Azoi**, <https://www.azoi.com>, *Ahmedabad*, 4/2014 – 4/2015

- Worked on firmware for CC2541 based board to build BLE services for OTA updates, ECG, PulseOximeter & Temperature sensors.
- Worked with team of Android & iOS developers to build prototypes using BLE to communicate with CC2541 board.
- Responsible for collaborating with design & engineering teams to build Kito user experience.
- Responsible for planning, design & development of mBaaS framework for Kito.
- Actively involved in team building and hiring activities.

**Sr. Software Developer** at **Azoi**, <https://www.azoi.com>, *Ahmedabad*, 4/2013 – 4/2014

- Setup Cloud Infrastructure for HLS based video streaming service, API servers along with custom push notification service.
- Developed REST API for gesture based multimedia system using Python, bottle & MongoDB.
- Deployment for realtime automatic content recognition system using RabbitMQ.
- Planned and organized a hackathon, HackAzoi 2013.
- Developed Kito online storefront with Stripe payment gateway integration.

**Application Engineer, R & D.** at **Azoi**, <https://www.azoi.com>, *Ahmedabad*, 4/2012 – 4/2013

- Built cross platform NPAPI plugin for gesture recognition support on web browsers on Android, Linux & Mac.
- Built full body gesture recognition engine on top of OpenNI on ARM.
- Developed a C++ system service for Android to inject keyboard, mouse and multi touch events via hand gestures.
- Setup Jenkins CI system to generate Android OS builds with delta OTA images.

**Software Developer** at **Hachilabs**, <http://www.gohachi.com>, *Bengaluru*, 10/2011 – 4/2012

- Built minimum viable product for gohachi.com
- Worked on Graph database (Neo4j) and CakePHP framework to build the webapp.
- Worked on improving search performance on a single Neo4j instance of over million nodes in graph.

- Worked on Facebook, Twitter and Google Contacts API. Built background task processing service in Python.

**Software Developer (Intern) at Indigo Architects**, <https://www.linkedin.com/company/indigo-architects>, Pune, 1/2010 - 5/2010

- It allows hotel owners to setup and manage multiple online distribution channels, rates & inventory in a single unified windows-like user experience.
- Built backend services for a hotel rate listing application, used Selenium to automate data filling on various travel websites.

## EDUCATION

**M.Sc. in Information Technology, DA-IICT**

CPI: 6.75, 2009 - 2011

**B.Sc. in Computer Application, Saurashtra University**

2006 - 2009

## SKILLS

### Cloud Infrastructure:

- Digital Ocean
- Parse-Server
- Amazon AWS
- Scaleway
- Heroku

### Expertise Area:

- Web Services
- Cloud Architecture
- Distributed systems

### Languages:

- Python
- HTML/HTML5
- JavaScript
- Java
- C++
- Swift

### Datastore:

- MongoDB
- SQLite
- PostgreSQL
- Redis
- MySQL
- RabbitMQ

### Web Technologies:

- nginx
- sentry
- supervisord
- uWSGI
- django-rest-framework
- memcached
- celery
- nodejs

### Mobile Technologies:

- Android
- iOS
- React-Native

### Additional Skills:

- Build System Setup (Jenkins)
- Git
- Gitlab
- SVN

## ACHIEVEMENTS

- Delivered a talk on "IoT with Python" at EuroPython 2015, Bilbao, Spain.
- Delivered a talk on "Azoi's Cloud Platform and continuous deployment" at PyGuj event, Ahmedabad, Azoi.
- Participated in SXSW Interactive (2014, Austin, Texas) to launch Kito on behalf of team Azoi.
- Personal projects : Koza - Gujarati Dictionary for Android & iOS, with 4.5 star rating and 1,60,000 MAU & 23,000 DAU.