

# Jaikishan Jalan

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## Experience

### Founder & CEO - YoAccess, India

March 2016 - Present

- YoAccess is a mobile app that connects automatically to a global network of Wi-Fi hotspot shared by people for the people. As of Aug 2016, the network has 1000+ hotspots and 15000+ app installs.

### Founder & CEO - Yo Office! (formerly known as Price Bureau), India

March 2015 - June 2016

- Yo Office! is e-commerce platform for businesses to buy everything required running their office efficiently.
- Grew to a team of 12, built e-commerce platform, and on-boarded 50+ sellers, 100+ business customers in Hyderabad, India within 5 month of operation with total GMV of INR 20,00,000+ (INR 45,00,000+ inclusive of Price Bureau).

### Principal Software Engineer - Resolution Tube Inc., USA

January 2014 - October 2014

- Joined as 2<sup>nd</sup> employee after founder. Did everything from writing code, talking to clients and handling investors.
- Defined product using build-measure-learn philosophy with end users. Wrote 99% code for all of iOS, Android and Web client along with backend services and persistence storage.
- Built the engineering and product team from ground up to a team of 5.

### Software Engineer - Microsoft Corporation, USA

January 2010 - January 2014

- Architected and engineered an iOS app development framework consisting of many reusable libraries with SOLID designs principles. This has become the standard framework for iOS app development in Xbox including products such as Xbox Music and SmartGlass and has reduced development time significantly.
- Shipped iPhone and iPad app for SmartGlass for Xbox One, Xbox Music and SmartGlass for Xbox 360 by owning some of the key and complex features in the product. These apps have consistently received 4+ rating and high praises from customers in app store.
- Architect and engineered server side UX rendering stack powering Bing for mobile web and native apps.
- Shipped search experience, business detail page and many other key features on Bing for Windows Phone 8. Built many client facing experiences such as Bing social, search box, autosuggest and others for smart phones using HTML5, CSS 3 and JavaScript, some of which saw an increase of up to 20% in user engagement.
- Delivered Movies experience for Bing app v1.0 on Android.
- As a Scrum Master for SmartGlass, helped the team to deliver product on time by managing its backlog and removing impediments to the ability of the team to deliver the sprint goal/deliverables.

### Research Assistant - Ames Laboratory, USA

January 2009 - December 2009

- Designed and developed a new theoretical model based on Markov Model for blind Steganalysis of JPEG image with detection accuracy more than 99%. This research was then used to develop a software package for investigators working on digital forensics cases at Iowa Crime against Children Task Force, Iowa.

### Engineering Intern - Google R&D, India

May 2008 - July 2008

- Designed and developed a geo based application for handheld devices running on Android platform. It involved developing user interface for Android platform in Java and writing server code in C++ while interacting with Google Mapmaker backend.

### Assistant Systems Engineer - TATA Consultancy Services, India

June 2006 - July 2007

- Studied and researched independently on the feasibility of Omniture Site Catalyst as a new Web Analytics Tool for McKinsey & Co. internal portals and websites. Designed system architecture and implemented it as a "proof of concept" on some websites to give a head start to other developers.
- Developed websites for McKinsey & Co. new offices and conferences. It also involved engineering a new quality assurance process to meet the project requirement.

## Education

**M.S. Computer Science - Iowa State University, USA**

**August 2007 - December 2009**

GPA: 3.96/4.00

Relevant Coursework: Design and Analysis of Algorithms, Distributed Algorithms, Theory of Computation, Theory of Games, Knowledge and Uncertainty, Advanced Topics in Computational Randomness

✓ *Recognized with Teaching Excellence Award by the University in 2008.*

**B.Tech. Computer Science - Indian School of Mines, India**

**July 2002 - May 2006**

GPA: 4.59/5.00

✓ *Awarded Gold Medal for overall top academic performer in the CS department by the University in 2006.*

## Skills

Objective - C, C++, C#, Matlab, Java, HTML, CSS, JavaScript, iOS, Android, ASP.NET, Ruby on Rails

## Publications

- J. Davidson, J. Jalan, Steganalysis using Partially Ordered Markov Models, *12th Information Hiding Workshop*, 28-30 June 2010, Calgary, Alberta, Canada.
- J. Davidson, J. Jalan, Canvass: A Software Tool for Forensic Steganalysis of JPEG Images, *2010 ADFSL Conference on Digital Forensics, Security and Law*, May 19-21, 2010, St. Paul, Minnesota, USA.
- J. Davidson, J. Jalan, Feature Selection for Steganalysis using the Mahalanobis Distance, *SPIE - International Society for Optics and Photonics, Media Forensics and Security XII*, Conference 7254 - Proceedings of SPIE Volume 7254, 19 - 21 January 2010, San Jose, CA.

## Volunteer Experiences

**Board Member - Jet City Improv, Seattle, WA, USA**

**October 2012 - Present**

**Volunteer - Sankalp, Iowa State University, Ames, IA, USA**

**August 2007 - December 2009**

- Since Fall 2009, volunteered as a project coordinator helped evaluating projects for financial aid from various non-profit organizations in India.
- Helped raise more than \$10,000 by volunteering in various fund raising activities such as ticketing for university football events, Daawat, an annual dinner gala organized by Sankalp, and driving Youngkers Community Day Event.

## Honors and Awards

- ✓ Thought Leadership Award for MapDive, a tool to visualize search in geo-temporal space, Microsoft Corporation, Redmond, USA, May 2012.
- ✓ Two times recipient of Gold Star Award in recognition for key accomplishments, significant contributions and exceptional results, Microsoft Corporation, Redmond, USA.
- ✓ Appreciation Certificate for outstanding contribution towards problem solving, McKinsey & Company, NY, USA, September 2006.
- ✓ Among top 2% qualified students out of 200,000 in IIT - JEE from India, 2002.