
DWIPAL DESAI

mail@dwipal.com
http://dwipal.com

Engineer, Entrepreneur, Angel Investor

About

I am an engineer by heart, entrepreneur by nature. I like to build new products which use technology and make our lives more exciting.

Engineer

Build web services from scratch and scale to millions of users.

Entrepreneur

Co-founder of TheIceBreak.com. Expert in mobile, video and social products.

Angel Investor

Invest in early startups with focus on strong core technology and team.

Experience

TheIceBreak.com

2009-Present

Co-Founder

TheIceBreak is a service designed to help existing couples connect, communicate, and discover new things about their partners. TheIceBreak provides a private platform that helps users break down the communication barriers that can complicate real-world relationships, while providing rewarding incentives that keep your love life fresh and fun!

I built the service from ground-up, and am the only engineer behind it.

YouTube

2005-2009

Product Manager, Mobile

Built youtube mobile in 2006, and headed the mobile group at YouTube. Responsible for all of YouTube's efforts in Mobile, including iPhone, Android, WebOS, Symbian, Mobile Uploads, Mobile Website.

Engineering Manager, Core Product

Managed the core product engineering group at Youtube, which was responsible for building all the consumer facing features like video playback, channels, groups and comments.

Senior Engineer

One of the early engineers at Youtube. Created a majority of the initial user-facing features and also responsible for the video transcoding system.

Paypal

2004-2005

Software Engineer

Involved in development of projects like Internationalization, System Integration and Fraud management. Volunteered on projects to improve the development environment and intranet tools. Optimized build systems and wrote Firefox extensions to improve efficiency of code development.

Elitecore Technologies Ltd.

2000-2002

Software Engineer

One of the principal engineers of [Crestel](#), a billing and revenue management system for ISP/Telecoms. Built core parts of the application server, mediation agents, web services and reporting engine. Also maintained the RADIUS server. Awarded the "Best New Employee of the Year".

Center for Development of Advanced Computing ([C-DAC](#)), India Intern

2000

Built windows software that kept a replica of selected files/directories on different computers over the network. It automatically synced changes in files across all copies and managed conflicts.

Education

University of Southern California - Los Angeles, California

Master of Science, Computer Science — **3.5 GPA**

Pune University, India

Bachelor of Engineering, Computer Engineering — **3.7 GPA**

Technical

Python	SNMP	Javascript
Java	RTSP	CSS/HTML
MySQL	3GPP	C/C++/.NET

Research

Integrated Media Systems Center, USC

2002-2004

HYDRA: High Speed Data Recording Architecture

Designing a High Speed Data Stream Recorder on a modular, scalable architecture to record multiple, concurrent streams using unified algorithms that can accommodate both recording and playback with low latency.

Patent: USC File No. 3535, U.S. provisional patent application# 60/581,888, June 22, 2004.

Publication: High Resolution Live Streaming with the HYDRA Architecture (*Roger Zimmermann, Moses Pawar, Dwipal A. Desai, Min Qin, and Hong Zhu*).

Published in the ACM Computers in Entertainment journal, volume 2, issue 4, October/December 2004

Book Chapter: Video Data Management and Information Retrieval (*Editor: Sagarmay Deb, University of Southern Queensland, Australia*)

Published by Idea Group Inc., publisher of the Idea Group Publishing, Information Science Publishing and IRM Press imprints, 2004. ISBN 1-59140-571-8

Distributed Immersive Performance

This project consists of multiple performers at remote locations able to play together in a concert, and focuses on extremely low latency audio+video streams for performers and high definition playback for audiences spread across different locations.

Publication: Report on User Experiments in the Distributed Immersive Performance Project (*E. Chew, R. Zimmermann, A.A. Sawchuk, C. Papadopoulos, C. Kyriakakis, C. Tanoue, D. Desai, M. Pawar, R. Sinha, and W. Meyer*). Presented at 5th Open Workshop of MUSICNETWORK: Integration of Music in Multimedia Applications

Remote Visualization in Head Mounted Display

Performed an analysis for various options available for driving a HD quality Head Mounted Display and built a PC based prototype.

Publication: Ethernet Interface for Head-Mounted Displays (Technical Report) (*Roger Zimmermann and Dwipal A. Desai*)

USC Technical Report USC-CS-TR05-846, University of Southern California, 2005.

Other Projects

More details on all projects at: <http://www.dwipal.com/projects.htm>

JMIBBrowser: SNMP MIB Browser

Java based SNMP MIB Browser that contains its own MIB Parser supporting SNMP-V1 MIBs, and an SNMP Query Engine that supports GET and SET Methods. This software is released under GPL license.

Flashsync - iTunes to non-apple-device media synchronizer

Copy music + playlists (from iTunes) and pictures on your windows computer with any flash based device like Android, Nokia, Palm, etc. It supports playlist creation on the device, and also resizes images so that mobile phones or other devices can process them quickly.

Firefox Extension: Remove Cookie(s) for this Site

A firefox extension that lets you remove cookies of the site you are currently visiting. It adds a right-click menu item, and an available toolbar item to do this.

Applescripts for iTunes

Group of scripts to help manage an iTunes library like group-tagging of songs, save rating to ID3 tags, etc.

Personal Interests

I am an avid music lover and play a little bit of acoustic guitar.

I have developed a passion for photography and enjoy using my SLR to the fullest.

I enjoy getting my hands dirty in the backyard and am trying to grow a year-round vegetable garden.

I also think that I am undefeatable in Mortal Kombat 4 or Need for Speed 2.
