

Swapnil Harishchandra Patil

Sr. Software Engineer
(iOS Design/Development)



"Innovation distinguishes between a leader and a follower."
Innovating and easing mobile app user experience with an industry experience of **7+** years.

-  www.swapnilhp.com
-  swapnilhp@gmail.com
-  +91-9420393906
-  [swapnilhpatil](#)
-  [/users/3715209](#)
-  [Bengaluru](#) (Willing to relocate to **Pune/Mumbai**)



Present
08.2013
(3.6 Years)

Tabtor By Prazas India Bengaluru, Karnataka

Sr. Software Engineer (Startup with Agile Methodology)

- Fully responsible for [Tabtor Math](#), [Tabtor Tutor](#) & Tutorial Recorder (Internal App) iOS Apps.
- Designed, Developed Scribble Module for student/teacher scribbles(writing) along with video recording.
- Designed, Developed In App Subscription Module for Apple In App Purchase along with Push Notifications.
- Debugging, Analysing and Profiling using Instruments for above apps for better performance.
- Experience in creating Apple Certificates for development & distribution through iTunes(Testflight)/Fabrics.
- Added Dynamic Rendering and Core Model Libraries for worksheets with reusable interface between apps.
- Experience in cloud tools like AWS COGNITO along with sailsjs API and mysql hosting in AWS EC2.
- Developed localised Afrikaans version of Tabtor Math as [Via Afrika Tabtor](#), custom version for [Sylvan Math](#).
- Build ART Point Of Learning Analytics, Giving Ability to visualize Student Activity in Graphical format. (App was mentioned in New York Times Article for it's ease of usage and innovative Tech. (Active Replay of Student Scribbles)).

Technologies / Tools Used

- iOS Xcode 4-8 with Objective C and Swift 2.2 / 3.0
- Couchdb(NOSQL by Cloudant) , AWS S3 for images, Firebase for live view and MySql as datastore.
- Cocoa Pods for continuous integration and update of Third Party Libraries.
- Docker container for deploying Node.js/Sails.js REST API.
- Github as code repository and Pivotal Tracker as a bug tracking / estimation tool.
- Analytics frameworks used are Facebook, Google Analytics, Google Tag Manager, MixPanel and Appsee.

04.2013
08.2012
(8 Months)

Protolive India Pvt. Ltd. Pune, Maharashtra

Software Engineer

- As part of 2 developer Team, Build [SVG Notes Application](#) for University Students and Professionals. Only app available in App Store which supports creating drawings in pure **Scalar Vector Graphics** Format.
- Developed Drawing Application using SVG format using paths and basic shapes.
- Developed parser for SVG objects to render SVG objects available worldwide.
- Built ability to add Dynamic Paper & Object Selection Interface with Category Filters.
- Built Object Navigation using Virtual Handles
- Built Color Selector using Pencil Selection Visualizer
- Integrated With Dropbox to sync, backup User Drawings

08.2012
09.2009
(2.11 years)

Cybage India Pvt. Ltd. Pune, Maharashtra

QA Engineer

- Developed a "Keyword" based automation framework for manual testers to use.
- Generic keywords like openBrowser, fillControl, verifyControl.
- Used "Selenium Webdriver" with "Java" and JExcel for storing/retrieving data.
- Testing of various payment products for Global Collect (Payment service Provider).
- Data separation from scripts to Excel sheets.

**iOS/Objective C**

Complete End to End Design, Development, Delivery of Product

**Couchdb**

Creating Documents, Views, Indexes for Couchdb

**iOS/Swift 3.0/2.2**

Complete End to End Design, Development, Delivery of Product

**Firebase**

Real Time database for real time data (live view/Chat)

**Cocoa Pods**

Developed, Managed and maintain pods for custom libraries

**MySQL**

Data storage best for Reporting And trans.(ACID) management

**GitHub**

Branching Workflows, Pull Requests, Feature Branching.

**Node/Sailsjs**

Development of REST API's. (JSON along with MVC Pattern)

**Sqlite/Core Data**

Persistence using Object Mapping And storing in sqlite.

**GIMP(Open Source Photoshop)**

Designing UI Components, Designs, Mockups

08.2008
02.2008**CDAC** *MET IIT, Mumbai*

- Post Graduation Diploma in Advance Computing

08.2008
09.2004**B.E.** *Vidyalankar Institute of Technology, Mumbai University, Mumbai*

- Computer Engineering

08.2004
09.2003**H.S.C** *R.C.F School, Maharashtra State Board, Alibag*

- Scored "71.33%"

08.2002
09.2001**S.S.C** *R.C.F School, Maharashtra State Board, Alibag*

- Scored "71.33%"

**Tabtor Math** (Click the Icon on left to link to iTunes page)

Tabtor Math combines smart technology with the personalized attention of a dedicated tutor for grades K-8. Through a monthly subscription, each child is given a personalized learning plan monitored by a personal tutor.

**Tabtor Tutor** (Click the Icon on left to link to iTunes page)

This app is an accompanying app for Tabtor Math. This can be used only by Tabtor tutors (and other tutors as designated by Tabtor) to review student performance on Tabtor Math. This works only in conjunction with Tabtor Math.

**Via Afrika Tabtor** (Click the Icon on left to link to iTunes page)

Via Afrika Tabtor Maths is an engaging and motivating iPad-based Grade R to 6 maths learning platform that includes a human empowered by technology to provide individual learning in a cost-effective way.

**Sylvan Tabtor**

Math Edge is math mastery program for students in grades 1-6 designed to build the critical skills needed for higher-level math yet to come — all while having a blast. Math Edge is a great way to build confidence, get up to grade level or jump ahead.

**SVG Notes** (Click the Icon on left to link to iTunes page)

SVG Notes App is a native iOS application that allows users easily take notes, create drawings and create multi-page book in Scalar Vector Graphics(SVG).