



Satish Gandham

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Profile

Full stack web developer and entrepreneur with 10+ years experience in architecting and implementing robust and scalable products with pixel perfect, responsive, cross-platform compatible UI. Spearheaded the technology development and played a crucial role in timely launch JioGames and the management console of Jio Cloud Services at Reliance Jio Infocom Ltd.

Skills & Areas of Expertise

PHP, PYTHON, SQL, NOSQL(MongoDB), JavaScript, HTML, CSS
WordPress, Django, Meteor, AngularJS, ReactJS, jQuery, GIT, Gulp, Babel, ES6
Web Security #XSS #CSRF, Website optimisation, SEO, UX, AWS, MVC Architecture, REST API's
Moderate knowledge of devops.
Basic knowledge of color theory and typography.

Work Summary

Founder @ SWIFTTHEMES – MAR 2018-PRESENT

Developed and launched PageSpeed, a super fast and lite weight premium design framework for WordPress. Includes multiple layout configurations and smart color schemes leveraging the power of CSS preprocessor, SCSS.

Developed and published Easy AdSense Ads plugin on WordPress plugin, it is used on 5000+ WordPress sites with an average rating of 4.9.

SDE2 @ RELIANCE JIO INFOCOM LIMITED – MAY 2017-FEB 2018

Successfully developed and launched the blackened for Jio Games app store with high availability and scalability. Currently serving **10 million users**. As the lead developer, I was responsible for architecting, building and deploying the application, building the team and training new team members. Because of the scale of the project, gained experience in optimising the database cluster and the web server for a very high TPS.

Technologies and frameworks used - **HA-Proxy, Django, Rest Framework, Mariadb, Galera, ReactJS, Celery.**

SDE2 @ RELIANCE JIO INFOCOM LIMITED – DEC 2015-MAY 2017

Successfully led the team of 8, developing the management console (A single page application to access cloud computing resources) from scratch consuming 200+ REST API endpoints of 6 cloud services. Played a critical role in on-time launch of Jio Cloud Services.

Technologies and frameworks used - **Django, Mysql, AngularJS.**

– Backend Architecture

- Architected a solution and guided the backend team to use third party API's which are very similar to ours while our services were still under development.

- We were able to migrate to our endpoints with only minor changes at the backend and absolutely no changes on the frontend and thus successfully launched on time.
- Architected the registration flow, authentication and password recovery.

– Frontend Architecture

- Evaluated the team strengths, experience, third party modules quality and features match to our requirements and picked the right stack and modules for the tasks.
- Setup the build process, git workflow and coding standards to ensure smooth development. Trained the team to follow the same, thus enabling them to do their job in an efficient way. Build automation saved at least 25% of developers time and the git flow developed ensured that merge conflicts were kept to a minimum and the releases were smooth.
- Ensured that the team had a good understanding of the service they were working on, and assigned work according to their strengths.
- Coordinated with the security review team, moved from token based authentication to session based authentication and ensured no vulnerable code was shipped. **#CSRF, #XSS**

– Coordinating With Service and UX Teams

- Evaluated the wireframes for new services and features, ensured that they were consistent with other services and the actions were doable on the frontend.
- Worked with the service teams to help them understand the requirements of front-end and their security implications. As a result, we were able to launch a secure console and could achieve faster upload speeds for our storage service.
- Discussed with service teams to understand their service and their expectations from the console so that there were no gaps in understanding.
- Worked with the UX team between wireframe to design process to ensure that the designs were easy to implement without much overhead with minimal gains.

– Devops

- Ramped up a devops engineer on Django, Apache and Nginx. Was involved in reviews of his deliverables.

– Jiolocker

Repurposed Management Console code into Jiolocker (POC in two days), a SAAS product on top of Jio Cloud Services infrastructure which lets users upload/download/share their data on the cloud.

NYBR, A LOCATION BASED SOCIAL NETWORK APP – 2015-2017

It lets you connect with the people around you and have real interactions in this busy monotonous life.

- Conceptualised, designed, and developed an Android and iOS app using the JavaScript framework Meteor, Cordova and Ionic.
- Deployed the app on a dedicated server with SSL.
- Acquired users through Facebook ads at less than **INR 25 per user**, much lesser than the industry standard.
- While Achink (details below) helped me learn MVC architecture, NYBR helped me get better at it, opening doors to develop applications on a larger scale.

App is live on both PlayStore and AppStore <https://nybr.co>

ACHINK, SIMPLIFYING CHOICES – 2012-2014

Achink helps you take advantage of your friends experience with a product/service and help you make an informed and better decision.

- Built the web app using Python framework, Django and MongoDB for the database.
- Evaluated multiple APIs and services like Amazon Products API, Bestbuy APIs to populate the products into our database.
- Worked with Facebook APIs to get the friends list, profile and post to their wall.
- Released the POC successfully on time even though Django+MongoDB was a very new and rare combination with limited literature.
- The new stack forced me to look through the source code to understand and fix issues. This, in turn, helped me get better at debugging and write better code.

Screencast of the application: <http://satishgandham.com/achink-screencast/>

SWIFT, HIGHLY CUSTOMISABLE WORDPRESS THEME – 2009-2016

A product that is used by millions of users in different ways on thousands of devices and all available browsers. Cross browser and device support is complex, but when you give near infinite customisation options to users then it takes the complexity to a whole new level. Working on a complex project like this helped me learn all the intricacies of the web development and design.

- Listened to user feedback, their pain points, and common support queries and worked on those to improve the product.
- Kept up with the changing industry standards and market needs and iteratively evolved the product.
- Anticipated different use cases and problems that might arise due to new features and addressed them during development.
- Launched several industry first features in a WordPress theme like **sticky navigation, feedback templates, app style navigation.**
- Handled all aspects of the business like development, marketing, support, devops, content creation, website maintenance and the shop.

BLOGGING – 2007-PRESENT

Wrote blogs and maintained several blogs. This helped me learn server management, SEO, content marketing.

CONTRACT WEB DEVELOPMENT – 2009-2015

- Designed, Developed and tweaked websites for several clients.
- Gathered their requirements suggested improvements.
- Maintained schedules and ensured timely delivery of work.

Education

Bachelor of Chemical Science & Technology, Indian Institute of Technology Guwahati – 2010.

