

# Sivashanmugam Kannan

Software Developer

Software Developer having 6 years of work experience with a Bachelor of Technology degree in Computer Science and Engineering. Emphasis on writing maintainable semantic code, designing beautiful interfaces, and engineering amazing user experiences. Yoga and Mindfulness practitioner. 5k Runner.

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Bangalore

## Skills & Tools

Javascript

ReactJS

NodeJS

AngularJS

Typescript

ExpressJS

Storybook

React-Redux

Gatsby

socket.io

MongoDB

Webpack

Grunt

Mocha and Chai

## Awards

2019

### Funtoot

Awarded as **OUTSTANDING DEVELOPER - 2019** after extensive contribution towards the product's all the verticles.

2021

### Embibe

The Mobile app got **GOOGLE PLAY 2021 - #1 APP FOR PERSONAL GROWTH** - was a major contributor of many UI modules across the app

## Education

2011

2015

### Bachelor of Technology in Computer Science And Engineering

SASTRA University

Thanjavur

- Passed with **6.1 CGPA**
- Final year project got nominated as one of the top 3 projects for **Best Project Award from the Department**

2009

2011

### Higher Secondary Schooling

Laurel Higher Secondary School

- Passed with Percentage of **87%**

2007

2009

### SSLC

Government Boys Higher Secondary School

- Passed with the percentage of **90%**

## Work Experience

2017

Aug

Now

### Embibe ( Funtoot Merged )

SDE-II

Bengaluru

- Involved extensively in React component development, Static site generation, microservice environment configuration, microservice deployment configuration, AngularJS based module development, content scraping algorithms, Python scripting for data transformation.
- Integrated HLS video streaming, VideoJS based video player, game into user platform

### Funtoot

Software Developer

Bengaluru

- Developed Angular JS Modules, NodeJS server, designed MongoDB collection schema, Developed modules in Ionic mobile app.
- Reponsible for design and development Test module. After adding rich features to the module the product team converted it into a cross-selling product

2016

Aug

2016

Jul

### Indo Sakura Software Private Limited

Software Developer

Bengaluru

- Owner of user interface development and maintainance of Lead Management Software for a Japanese client.

2015

Aug

2016

May

### Higher One Financial Technology Private Limited

Technology Trainee

Chennai

- Owned design and development of an offsite organization portal
- Manual tested multiple products and reported bugs to the team

## Projects

2017  
|  
2018


### ● Educational Content Management System

 Funtoot (Merged into Embibe)  Bengaluru

- I was responsible for maintenance and feature requests for NodeJS server which helped the content reviewer team to review and publish the questions from our organization database to another organization database as part of a service agreement.
- Have developed many angular apps, angular directives for our product's CMS platform.
- Integrated google translate API as an immediate translation solution to the content team before they review and modify appropriately.
- To increase the UI development process written grunt configuration to compile SASS to CSS and to hot reload the page for plugin development.
- Designed schema for new collections in MongoDB.

2019  
|  
2021

### ● Online learning platform

 Embibe  Bangalore

- I was one of the 3 core members of the team which kickstarted the whole rebranding and redesigning the educational portal from scratch.
- Added react tv navigation support to all the UI components
- I have added storybook ( UI component explorer ) to the codebase and added the core components to it.
- I have owned the development of new complex mathematical question types which needed to be mirrored from funtoot in ReactJS.
- Ensured the question types are compatible with mobile, tablet, web.

2017  
|  
2018

### ● A Table Library ( like react-table ) in AngularJS

 Funtoot  Bengaluru

- After the content team needed a bit advanced content filtering tool we decided to create a table library in AngularJS
- I have owned the complete module development and integration into the CMS portal
- The library had rich features such as sorting, column search, table search, custom filter, pagination, selecting rows, row action, table actions, custom coloring for selected rows, and specific columns
- After our organization got acquired with the permission of my superior made it an opensource
- <https://shivashanmugam.github.io/table-almighty/>

2017  
|  
2018

### ● Test Creation Module

 Funtoot  Bengaluru

- Created a tree-based check-box enabled syllabus selection module
- Integrated a new drag and drop UI module for a table library to order the question sequence in the test
- Integrated MathJax enabled WYSIWYG editor into the test module to add test instruction for the test
- Dynamically generating questions from the selected syllabus and showed it as suggested questions
- The module was feature-rich enough later the team decided to make it a separate cross-selling product to schools

2018  
|  
2019

### ● Worksheet creation module

 Funtoot  Bengaluru

- There was content editor platform of sunbird-content-editor which is the backbone of the government-owned Diksha app( <https://diksha.gov.in/> ) I was part of the team which was responsible for the worksheet creation module
- Was responsible for creating MultipleChoiceQuestion, MatchTheFollowing, FillInBlanks, and Sequencing question types editor and render inside the content creation plugin

2017  
|  
2018

## ● Educational plugins with translation support

📁 Funtoot 📍 Bengaluru

- After understanding a unique plugin package bundling system of sunbird-content-editor (A open source editor which is behind diksha.gov.in and Infosys wingspan), written an automation script to convert English plugins to Telugu and Marathi
- Converted i18n JSON strings to CSV for the content team to come back with the translated text
- Then imported the CSV i18n strings from the spreadsheet and created English plugins
- Written a translation error finding mechanism that ensured non-translatable math expressions are present before creating plugins

2016  
|  
2017

## ● Lead Management Software System

📁 Indo Sakura 📍 Bengaluru

- Owner of a user interface development of Lead management software from scratch and was the sole owner of all the front end modules
- Responsible for coordinating with the design and backend team for the UI requirements
- Directed the testing team on helping in creating test-cases and created an automation script to which will verify all the cases
- Added internationalization support with Japanese and English language

2015  
|  
2016

## ● Offsite organization portal

📁 Higher One 📍 Chennai

- Designed and created an offsite portfolio portal for the organization.
- Implemented mobile responsiveness to the portal
- Tested the portal with multiple test cases and successfully delivered