

# SHAJAN JACOB

Full Stack Engineer

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## EXPERIENCE

**Software Engineer / Cubet Techno Labs / Oct 2017 - Present**

- Involved in architecting and building custom APIs for the company's core projects.
- Published *ffmpeg-sdk* NPM package, which is a NodeJS wrapper for FFMPEG (multimedia processing software) that served as a core utility for an online dubbing studio project.
- Built chat engine for twitter that can handle multiple chatbots in a single NodeJS instance.
- Implemented text/audio chat using sockets for a realtime multiuser project.
- Built microservices on serverless platforms using AWS lambda / Firebase FaaS.
- Involved in prototyping, designing, building, documenting, testing, deploying and maintaining software systems.
- Debugged, fixed and maintained ongoing and existing application issues.

## PROJECTS

- VVOIZ - Online platform for dubbing**  
Built all backend functionalities for managing users, roles, chat, dubbing flow, video and audio processing. Built NodeJS wrapper package for *FFMPEG* module.  
NodeJS | MongoDB | ExpressJS | FFMPEG | Firebase | Socket | JWT | Swagger
- Total Parts Plus - Obsolescence Management Module**  
Involved in building backend functionalities for handling bulk insertion and download of huge filtered data sets.  
NodeJS | ExpressJS | PostgreSQL | NodeMailer | XLSX
- BBCream - Dating and dining**  
Built entire backend functionalities for authentication, chat, point system, cron jobs.  
NodeJS | ExpressJS | MongoDB | Push Notifications | Firebase | Cron
- Alis - Conversational Assistant**  
Implimented chat system that can handle multiple twitter bots at the same time.  
NodeJS | Redis | ExpressJS | IBM Watson | Twitter SDK
- Termite - Survey platform for furnitures and surroundings**  
Backend functionality implementation.  
NodeJS | ExpressJS | Mocha | PostgreSQL
- Resto - Dining platform for upscale restaurants.**  
Integrated stripe payment system and point system for users depending on their activities and invitations.  
NodeJS | Express | MongoDB | Elastic Search | Stripe
- YourCause - Grants Management for corporates**  
Designed for managing grants and grantees  
NodeJS | ExpressJS | MongoDB | Nodemailer

**Software Engineer / Alt-s Solutions / May 2017 - Oct 2017**

- Involved in building logic and dashboard for a CRM project.

## PROJECTS

- MyOfficeBag - Online platform for dubbing**  
Built analytics and reports using ChartJS and D3JS.  
PHP | MySQL | ChartJS | Bootstrap

## OBJECTIVE

Passionate software engineer seeking an appropriate position in an organization to grow and build modern applications for the web.

## SKILLS

### Technologies

JavaScript

NodeJS

MongoDB

MySQL

TypeScript

HTML

CSS

Git

AWS

Bash

EJS

### Libraries

ExpressJS

Jekyll

Bootstrap

Semantic-UI

jQuery

ChartJS

JWT

SendGrid

Stripe

Swagger

## HOBBY PROJECTS

- **Black Fire** - Minimalistic NodeJS web application framework  
Modular, MVC and REST API boilerplate and generator.  
<https://shajanjacob.com/blackfire>  
NodeJS | ExpressJS | MongoDB | EJS | Swagger | Bash
- **Meemi** - Online ornamental fish store  
Online fish store, forum, store locator and wiki.  
<http://meemi.in>  
NodeJS | ExpressJS | MongoDB | Elastic Search | SemanticUI
- **Lets All Chef** - Companion for Home Cooks and Chefs.  
Organize recipes, create cookbooks, manage health and diet,  
<https://letsallchef.github.io/>  
NodeJS | ExpressJS | MongoDB | Semantic-UI | Jekyll
- **Ace Of Spades** - Realtime online multiplayer card game  
Multiplayer online flexible card game with chat.  
<https://spade.glitch.me>  
JavaScript | Socket | Semantic-UI | HTML | CSS
- **Familia** - Family tree & contacts manager  
Contacts, relations and events manager for families.  
<https://github.com/shajanjp/familia>  
NodeJS | ExpressJS | MongoDB | EJS | jQuery | Semantic-UI
- **TeamWorked** - Time logging made simple.  
Unofficial browser plug-in for time logging in teamwork.  
<https://github.com/shajanjp/teamworked>  
JavaScript | HTML | CSS
- **BlackPipe** - Expose realtime terminal outputs.  
Expose terminal outputs without sacrificing security.  
<https://shajanjacob.com/blackpipe>  
NodeJS | Sockets | Semantic-UI | ExpressJS
- **EasyHome** - IoT dashboard  
Control and monitor home devices easily using NodeMCU.  
<https://shajanjacob.com/easyhome>  
Arduino | NodeMCU | Semantic-UI | jQuery | C | Raspberry Pi
- **HN** - Minimalistic Hacker News reader and PWA  
Simple hacker news feed reader.  
<https://guyswhocode.com/HN>  
PWA | JavaScript | jQuery | Semantic-UI | Firebase
- **Sudoku solver** - 9x9 sudoku solver  
9x9 sudoku solver with 1000 sample puzzles.  
<https://shajanjacob.com/sudoku>  
JavaScript | HTML | CSS
- **Codemine** - Snippets and cheat-sheets for developers  
Snippets and cheat-sheets for developers and designers.  
<https://guyswhocode.com/codemine>  
Jekyll | Semantic-UI | JavaScript
- **Statuz** - Server status page simplified.  
Server status page with uptime, memory and git log details.  
<https://www.npmjs.com/package/statuz>  
NodeJS | EJS | ExpressJS

## EDUCATION

2017	Bachelor of Engineering (CS) T John Institute of Technology, Gottigere (VTU)
2011	Pre University Bappuji Central School, Peruva (CBSE)
2009	10th Bappuji Public School, Pala (CBSE)

## PERSONAL DETAILS

Date of Birth : 24 August 1993  
Father's Name : P.O Jacob  
Address : Shajan Jacob  
Punnakkathara(H), Perumpadavom PO, Anthial,  
Ernakulam(Dist), Kerala, 686665  
Languages Known : English, Malayalam

## DECLARATION

I hereby declare that the above cited information is true to the best of my knowledge and belief, if given a chance, I can prove myself.

Date:  
Place:

## HOBBIES

- Photography
- Gardening
- Microcontrollers

## PROFILES

- [linkedin.com/in/shajanjp](https://linkedin.com/in/shajanjp)
- [github.com/shajanjp](https://github.com/shajanjp)
- [npmjs.com/~shajanjp](https://npmjs.com/~shajanjp)