

SHAJAN JACOB

Full Stack Web Developer

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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

- VOIZ - 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

- **Meemi** - Online ornamental fish store
Online fish store, forum, store locator and wiki.
<http://meemi.in>
NodeJS | ExpressJS | MongoDB | Elastic Search | SemanticUI
- **Ace Of Spades** - Realtime online multiplayer card game
Multiplayer online flexible card game with chat.
<https://spade.glitch.me>
JavaScript | Socket | Sementic-UI | HTML | CSS
- **BlackPipe** - Expose realtime terminal outputs.
Expose terminal outputs without sacrificing security.
<https://shajanjacob.com/blackpipe>
NodeJS | Sockets | Semantic-UI | ExpressJS
- **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
- **Statuz** - Server status page simplified.
Server status page with uptime, memory and git log details.
<https://www.npmjs.com/package/statuz>
NodeJS | EJS | ExpressJS
- **Black Fire** - Minialistic NodeJS web application framework
Modular, MVC abd REST API boilerplate and generator.
<https://shajanjacob.com/blackfire>
NodeJS | ExpressJS | MongoDB | EJS | Swagger | Bash
- **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
- **Sanz** - Jekyll starter template
Minimal blog starter template for jekyll.
<https://github.com/shajanjp/sanz/>
Jekyll | liquid | GH-Pages

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
- github.com/shajanjp
- npmjs.com/~shajanjp