YADHUNANDAN K S

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PROFESSIONAL SUMMARY

Software Engineer with 4+ years of experience in Back-End Engineering using Go-lang, Java, JavaScript, TypeScript as well as Front-End development using flutter, with major startup-experience, seeking full-time software engineering roles.

SKILLS

Languages	Go-Lang, Dart, Java, JavaScript, SQL, HTML
Frameworks & Databases	Flutter, NodeJS, MySQL, Firebase, Mongo-Db
Tools	Docker, K8s, github CI-CD, Git
Cloud Provider	Amazon Web Services (AWS) & GCP

EXPERIENCE

Software Engineer 1 at Impelsys Pvt Limited (Nov'2022 - Present)

- Architected SAML based authentication service.
- Built a custom JWT library using go-lang which based on AES encryption for token based authentication service.
- Architected effective roles service where role will be part of the token claims.
- Implemented a micro service using micro service interface offered by nats.go streaming library to achieve authentication for the peer systems which try to connect to the nats-server, Services related to validation of the users which were persisted on the database.
- Developed a REST wrapper around the nats-server messaging server using which reloads server configuration without server downtime using REST API.
- Architected MySQL database with effective relationship assignment between table.
- Data streaming based entity validation and entity persistence on MySQl database and validated data were streamed to peer systems.
- Fine tuning/bug fixing in REST APIs based on the feedback from testing.
- Environment: Go-lang, MySQL, SQL , Gin, go-swagger, docker, AWS, Linux, Java, Krakend-ce etc

Software Engineer on contract at Geo Edu-Tech Services, Hyderabad, India (May'2021 - Nov'2022)

- Developed the front-end using Flutter for the mobile app and ReactJS for a part of the project.
- Implemented a Go-lang back-end licensing service for schools and a caching service using Google storage.
- Architected a File caching service based on GCP cloud Storage.
- Set up VM, NGINX, and a systemd process for the backend service.
- Environment: Go-lang, GCP, Firebase, Flutter, Java etc

Software Engineer on contract at BigMints, Dubai, UAE (Jan'2021 - April'2021)

- Developed the front-end using the Flutter framework, reviewed code, and debugged problems.
- Transitioned the app from a serverless architecture to a server architecture to reduce costs.
- Set up a Node.js-based backend with MongoDB as the database hosted on Google Cloud App Engine.

- Implemented Firebase-based authentication for the backend and added time slot calculations based on existing bookings.
- Environment: HTML5, CSS3, Ajax, React Js, JavaScript, JSON, DOM, SCRUM, XHTML, Restful Web services, NodeJs, Strapi, Firebase, Flutter

Software Engineer at Coorgle Web Services, Mysore, Karnataka, India (Jun'2020 - Jan'2021)

- Followed Agile Methodology in analyzing, documenting, and developing functional and business requirements.
- Extensively used Flutter to implement cross-platform apps as per client requirements.
- Created design documents with use case diagrams, class diagrams, and sequence diagrams using Rational Rose.
- Collaborated with a multidisciplinary team to deliver updates on deadlines, designs, and enhancements.
- Used Firebase Messaging Services for reliable and asynchronous exchange of important information.
- Environment: Flutter, Firebase, Java, Strapi, HTML, JavScript, TypeScript, Firestore

—————————————————————Career switch—————————————————————-

Executive Sales Representative at Sharekhan Ltd, Mysore, India (Aug 2016 - Nov 2019)

hired through Randstad India (Aug 2016 - Jun 2018)
directly under Sharekhan LTD (Jul 2018 - Nov 2019)

- Provided banking, financial, and broking services to clients.

PROJECTS / OPEN-SOURCE PROJECTS

- **Simplejwt**: my own implementation of JSON web tokens. find it here
- **Whstsapp**: Do you love that whatsapp conversation bots you see by big corporations?, Go-lang package for the same developed by me for writing automated conversations on whatsapp, find it here
- **Ogo** : Automatic open api document generation and API parameter validation out of the box, writen by me from ground up, using go-lang and for go-lang, find it here.
- **Hub-Sub data processing system** Built data hub which processes data input from multiple sources and manipulates it to certain standard and publishes it to interested systems who listens to certain kind of Data, listeners can be added by users with different roles.available at adh.heart.org, using golang, mysql, and k8s (Try it here)
- Developed and maintaining a Go-lang package (available here which makes it easier for anyone to write easier whatsapp integration, uses official WABA api.
- turbo_flag (a open source software which is a fork of the core flag library included in the go-lang)
- Simple MQ Broker and Client: A simple, open-source MQ broker and client written in Go.
- APP - Learn from maps: Geo edu-tech services app for learning from maps.
- APP - Bapp - Book Appointments: BigMints app for booking appointments.
- APP - Little basket stores: Coorgle web services app for Little Basket Stores.
- APP - Bharat Grocer: Coorgle web services app for Bharat Grocer.
- Flutter package - the_country_number_widgets: Flutter package for country number widgets.
- Implementing UI animation in Flutter framework: Implementation of UI animation in Flutter.
- Flutter package - simple_strapi: SDK for Strapi in Flutter.
- Flutter package - super_strapi: Class generation for Strapi models in Flutter.

- you can find more of my open source projects in my github https://github.com/ondbyte/

EDUCATION

Bachelor of Computer Applications, University of Mysore (UoM)   2012 2016