

RAVISHANKAR S R

Full Stack Developer

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📍 Bengaluru, India

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EXPERIENCE

Full Stack Developer

Zauba Technologies Pvt. Ltd.

📅 Aug 2018 - Dec 2019 📍 Bengaluru, India

- Core software developer in the development of **Zauba Cloud** [Provides Database as a service] which includes building the architecture and first product **MySQL as a service** which has **99.95%** of SLA using **Kubernetes** and **AWS** services heavily. Worked on **Kubernetes Operators** for **MySQL**, **Timescale DB** and **Solr**.
- Designed and developed a API for Zauba Cloud including Identity Access Management and Authentication service using **Golang**, **GORM**.
- Worked on complete front end development of the website using modern technologies like **React**, **Bootstrap**, **Webpack**.

PHP Developer

Zauba Technologies Pvt. Ltd.

📅 Aug 2017 - Aug 2018 📍 Bengaluru, India

- Core full stack development in the development of **Zauba Trade** [India's first Import Export Business platform] includes designing a complex product schema using **Graph database**.
- Worked on both front-end and back-end development of Admin, product, enforcement policy, Affiliate and notification service using a technologies like **PHP**, **Drupal7**, **VueJs**, **AWS**. Also worked on **CI/CD** setup of the application using **AWS CodeDeploy & CodePipeline**.

Embedded Design Engineer

Initio Energy Systems Pvt. Ltd.

📅 Aug 2015 - Aug 2017 📍 Bengaluru, India

- Core software development in the development of **Smacsytem** [Home automation platform] includes the development of **real-time** android web application for IOT devices using the technologies like **NodeJs**, **Websockets**, **MongoDB**, **MQTT**.
- Also worked on developing a prototype of internet enabled hardware devices using **RaspberryPi**, **Rfduino**, **Python**.

TECHNICAL SKILLS

- Kubernetes, AWS, Docker, Prometheus, Ceph, Golang, Shell-Scripting, Git, Vim, Distributed systems
- NodeJs, React, VueJs, Typescript, PHP, Drupal7, Python
- JQuery, D3.js, C3.js, Bootstrap4, Semantic UI, CSS3
- MySQL, Postgres, Percona Cluster, Percona XtraBackup, MongoDB, Redis, OrientDB, YugaByte, Solr

EDUCATION

Diploma. (ECE) - Distinction (78%)

Sri Jayachamarajendra Govt. Polytechnic

📅 July 2012 - June 2015

SSLC - Distinction (95%)

Karnataka State Board

📅 2012

PROJECTS

MySQL Operator

- Designed and developed a Kubernetes operator for MySQL using operator-sdk which includes the features like persistent volume, point in time recovery, scheduled backup, on-demand backup, restore using snapshot, custom configuration, automatic security patches, white listing of IP's.

Generic Backup Operator

- Designed and developed a Kubernetes operator for performing cron backup and scheduled backup of any database to **S3** which also includes the key features like **volume snapshot**.

Deployment of monitoring & logging stack

- Deployment of **HA** Prometheus, Timescale, Grafana, Elasticsearch, FluentD, Kibana and Loki

GRPC API Server

- Development of **GRPC API server** in **Golang** to communicate with kubernetes cluster from global API server.

Septaz.com

- Significant contribution in the development of back-end server using **NodeJs** and responsive front-end using **VueJs**, **Webpack**, **Bootstrap**.

Zauba.company

- Designed and developed a complete website using **NodeJs**, **Bootstrap**, **sequelize** and **passport**.

Kubernetes Cluster Autoscaler

- Designed and developed a autoscaler which scales the kubernetes cluster automatically by utilization and also replaces eligible AWS on-demand instances with low-cost **spot instances**.