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Summary

A software engineer graduate with Industrial training experience in Software Development.

Highly experienced in Blockchain technology, protocols & crypto-coins, Go, gRPC, MongoDB, JSON, JWT and Data structures.

Familiar with Redis, Docker, Apache Kafka, RabbitMQ and latest techs.

Hands on AWS, GCP, Azure, Heroku, Web apps, APIs & services/micro-services.

Experience



Software Developer

Apr 2019- Present

Self employed

- Developed **URL shortener** and deployed on Heroku
- Tech used: Go
- Developed a cloud **User-authentication tool**
- A company can generate it's API key and use it to signup and authenticate users.
- Functions: Signup, Login, Verify email, verify phone
- Language: Go
- Tech: SHA256 hashing, REST API, Encoding and decoding into/from files, In memory data structures
- Developed a **Load Balancer** in Golang, using Reverse proxy concept.
- Handles ~18K HTTP rps (~1M rpm)
- Trying to improve its performance
- Developing a **Home Automaton Server** to automate and control home appliances through Android app, **Alexa or Google Assistant**
- Tech used are Golang, gRPC, Google Cloud Firestore, Google Cloud IoT / (MongoDB, CloudMQTT), Google actions, Google smart home, Alexa skills, Alexa smart home.
- Developed Micro-services in Golang and gRPC to facilitate **E-commerce functionalities**. (not completed)
- Products: add, edit, delete, shift, add variants
- Users: login, signup, edit profile, wishlist, add friends, social sharing
- Developed my own **Personal** Wesbite
- Features: Chat (using maps, to register chat users), File server
- Tech: Go, AJAX, Go maps and http package



Software Intern

Jan 2019 - Apr 2019

Griffex

4 months

Griffex is a trading platform for maintaining multi-currency portfolio including cryptocurrencies.

- Developed **Automated Trades fetcher**, **SMA (Simple Moving Average) calculator**, **EMA (Exponential) calculator** and **Correlation finder** through trade and/or candle data from various crypto engines through REST API and web-sockets for all available crypto asset pairs at an engine.
- Tech used were: Golang, Redis, MongoDB, RabbitMQ.

Education



YMCA University of Science & Technology

2015 - 2019

Bachelor of Technology - BTech, Information Technology

Apart from great at academics, I was the Joint Secretary of Sports Club of my college.

Also took part in coding competitions, hackathons, sports events, dance events, management events and teaching assistance.

I was also the Vice-captain and Captain of the Basketball team of the college in consecutive years (3rd and 4th year)

Active member of Literature society, Dance society, Sports club, Teacher-student association and Arts club.



Tagore Academy Public School

2011 - 2013

Class 12th, Physics, Chemistry, Maths, English, 93%

School topper in Physics, Chemistry and Mathematics (PCM) with 96.3%, Overall: 93%

Physics: 95/100

Chemistry: 99/100

Maths: 95/100

English: 88/100

Physical Education: 88/100



Carmel Convent School - India

1999 - 2011

Class 10th, English, Hindi, Science, Social Studies, Maths, 8/10

Apart from good at academics, I was involved in various managements and leadership activities, seminars, events, sports and literature.

I was also the Vice-captain and Captain of 'Sapphire' house, in consecutive years (Class 9th and 10th) and gold and silver medalist in various sports events.

I was chosen the management leader in Annual fests in Class 8th, 9th and 10th.

I was also the Basketball captain in class 10th of 'Sapphire House'

Skills



Go • Blockchain • gRPC • MongoDB • JWT • Data structure & Algorithms • Cloud: AWS, GCP, Azure, Heroku • C++ • Redis • MQTT

Certifications

Understanding and building Blockchain A-Z • Udemy

Jul 2019 - Present

Blockchain and Bitcoin Fundamentals • Udemy.com

Jul 2019 - Present

Building a blockchain in Golang • Youtube.com

Jun 2019 - Jul 2019

Artificial Intelligence A to Z ® • Udemy.com

Jun 2019 - Present

Data structures and algorithms • Udemy.com

Jun 2019 - Present

Machine Learning A to Z® • Udemy.com

May 2019 - Present

MongoDB Full course • Udemy.com

May 2019 - Present

Web Authentication in Golang using JWT and REST API • Udemy.com

<https://www.udemy.com/certificate/UC-ZDZFUL3U/> • Jun 2019 - Jun 2019

Micro-services in Golang using gRPC • Udemy.com

Apr 2019 - Apr 2019

Web application development in Golang • Udemy.com

Apr 2019 - Apr 2019

Programming, data structures and algorithms in C++ • Coding Ninjas India

Aug 2018 - Nov 2018