
My Name

Software Engineer

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SUMMARY

4 years of professional Software Development experience, primarily in Backend Development, with exposure to various technologies like Node.js, Javascript, Go, various AWS Services, MySQL, MongoDB, Web Technologies(REST, JSON), IoT, Blockchain etc, with a strong interest and exposure in Software Architecture.

TECHNICAL SKILLS

- **Programming Languages:** Node.js, Javascript, Go (Golang)
- **AWS Services:** EC2, RDS, Lambda, API Gateway, Kinesis, SNS, S3, CodeDeploy, ElasticCache etc.
- **Databases:** MySQL, MongoDB.
- **Caching Technologies:** Redis, Memcached.
- **Message Queues:** Kafka, RabbitMQ, MQTT, SNS.
- Experience with monolithic, microservices-based, and serverless architectures.
- Experience with IoT and Blockchain.
- Strong Design and architecture skills.
- Experience with Code reviews and Peer reviews

OPEN SOURCE PROJECTS

schmp

schmp is an open source schema comparison tool, which allows you to compare schemas of data in JSON, YAML and TOML format. The motivation to develop schmp arose as a requirement in our release process, to autoverify whether our config structure matches, in schema, not values, to our development or example config file.

Technologies Used: Go, Travis CI

URL: <https://github.com/AyushG3112/schmp>

Notable Contributions:

- Developed a CLI using Go and published it.
- Provided mechanism which allows the tool to be used as a library in other projects.
- Achieved 90%+ code coverage with unit test cases.
- Implemented CI/CD using git tags and travis CI

WORK EXPERIENCE

Company 1, India - *Software Engineer*

AUGUST 2020 - PRESENT

Tech Stack: Node.js, Docker, MySQL, React.js, MongoDB

As a part of the Version Control team at Company 1, I was responsible for building and evaluating specifications to allow a better collaborative and versioning experience for our users.

- Participated in evaluating Requirement Specifications and writing implementation docs for the same.
- Built APIs for our client, and also worked on integration for the same on the client.
- Monitoring and fixing production issues using tools such as newrelic and Sentry.
- Participated in Code Reviews and Peer Reviews.
- Benchmarking, Unit and Integration testing.

Company 2, India - *Senior Software Developer*

DECEMBER 2018 - AUGUST 2020

Tech Stack: Node.js, Docker, MySQL, React.js, MongoDB, Redis, Azure

Worked on developing the Company 2. This platform's aim is to allow users to seamlessly invest into various commodities, both unassisted, and with the help of an agent, and manage their investments.

- Developed microservice-based modules and APIs for consumption by our clients.
- Integrated with various vendors and payment gateways.
- Integrated with Kafka to facilitate event driven asynchronous communication between different microservices.
- Implemented Audit Trail to keep track of the actions done by the user.
- Played the main role in developing a system for migrating an active user base of over 100k from old platform to the new platform while maintaining data consistency and integrity. Participated in planning and review meetings for the same.

Company 3, India - *Senior Software Engineer*

DECEMBER 2017 - DECEMBER 2018

Tech Stack: Go/Golang, Node.js, MySQL, Vue.js, Redis, AWS, Blockchain

Worked on developing OpenTradingPlatform. This platform's aim is to allow users to trade on multiple exchanges through a single platform.

- Developed the data analysis engine which aggregates data from all connected exchanges, to provide users a detailed view of their investments, and available assets, across exchanges, and helps them get the best price for their trade.
- Developed the interface server between our system and connected exchanges to facilitate fast trades, while ensuring the ease of adding more exchanges in the future.
- Implement CI/CD using AWS Services like CodeDeploy, EC2, S3 etc
- Mentored and led a team of multiple junior developers, leading and mentoring them while developing the system
- Developer a system for interaction with various public blockchains, for wallet generation, deposits and withdrawals. Integrated with Amazon SQS

Company 4, India - *Software Engineer*

JULY 2016 - DECEMBER 2017

Tech Stack: Node.js, Docker, Angular, MongoDB, Redis, AWS, IoT

Worked on developing Traquer. This application's aim is to provide real-time visibility of products across all stages of the supply chain, starting from Inventory Management, to real time, location tracking of products.

- Developed Serverless APIs for consumption by our web and mobile clients.
- Participated in developing a system for real time processing of data packets sent by our mobile clients. Integrated with MQTT, AWS Kinesis and AWS Lambda for the same.
- Implemented push notifications to apps using multiple vendors with automatic vendor switching in case of failures.

EDUCATION

Guru Gobind Singh Indraprastha University (GGSIPU), Delhi, India

Bachelors of Technology in Computer Science

AUGUST 2012 - JUNE 2016