Ayush Gupta

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SKILLS

Go/GoLang	Node.js
JAVA	AWS EC2, RDS, Lambda, API Gateway, Kinesis, SNS, S3, CodeDeploy, ElasticCache etc.
Javascript	MySQL
PostgreSQL	MongoDB
Redis	RabbitMQ
Kafka	Blockchain
MQTT	Docker
Kubernetes	

OPEN SOURCE PROJECTS

schmp
https://github.com/AyushG3112/schmp

Tech Stack: Go, Travis CI

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.

- Developed a CLI using Go and published it.
- Achieved 90%+ code coverage with unit test cases.
- Implemented CI/CD using git tags and travis CI

WORK EXPERIENCE

Gojek
Senior Software Engineer   (September 2021 - Present)

Tech Stack: Go, JAVA, Ruby, PostgreSQL, GCP, Docker, Kubernetes, Kafka

As a part of the GoPay Plus team, I was responsible to building and optimizing workflows to enable authentic Customer Identity Verification, and prevent fraudulant signups and verifications for across all products integrated with the Platform, while staying compliant with local regulations.

- Onboarded multiple vendors for end-user Identity Verification with automatic vendor switching to increase signup rates.
- Developed a system to identify computer extracted selfies to prevent fraud.
- Integrated with Business Intelligence and other external workflows using Kafka Pipelines, setting up **DLQ/DQ** with automated pagers to handle any failures.
- Currently owning an initiative to build an asynchronous state machine to manage application states and workflow through our system. In regards to the same:
  - Created an engineering RFC and presented it to a larger team.
  - I researched RabbitMQ, including standard and patterns, use cases, common pitfalls and solutions to those.
  - Implemeted a common JAVA RabbitMQ client which can be used by any project which wants to use rabbitMQ based on the decided usage patterns.
  - Designed a retry and fallback mechanism with exponential backoff to handle any erroneous cases.

Postdot Technologies Pvt. Ltd. (Postman)
Software Engineer 2   (August 2020 - September 2021)

Tech Stack: Node.js, React.js, AWS, MySQL, Redis

As a part of the Version Control team at Postman, I was responsible for evaluating specifications and building systems in alignment with business OKRs to allow for a better collaborative and versioning ecosystem for our users.

- Converted user stories into actionable items based on requirements in alignment with business OKRs.
- Designed HLDs and LLDs for new requirements and workflows, and implemented the workflows.
- Built APIs for our client, and integrated them same on the client.
- Monitored and fixed production issues using tools such as newrelic and Sentry, as well as identified bottlenecks based on metrics from the same.
- Led the optimisation of core product workflows, causing an **improvement of upto 70%**.
- Worked across product and business domains to help drive the product forward.

Paisabazaar Marketing and Consulting Private Limited
Senior Software Developer   (December 2018 - August 2020)

Tech Stack: Node.js, AWS, Docker, Redis, MySQL, MongoDB, Kafka

Worked on developing the Paisabazaar Mutual Fund Investment Platform. This platform's aim is to allow users to seamlessly invest into various mutual funds, both unassisted, and with the help of an agent, and manage their investments.

- Helped drive the product from conception to production while helping drive HLD and LLD design decisions.
- Developed microservice-based modules and APIs for consumption by our clients.
- Integrated with various vendors and payment gateways via standard interfaces, thus resulting in making onboarding new vendors easier.
- Integrated with Kafka to facilitate event driven asynchronous communication between different services.
- Implemented Audit Trail to keep track of the actions done by the user.
- Spearheaded development of a system for migrating an active user base of over 100k from old platform to the new platform while maintaining data consistency and integrity and minimal user disruption.

Blocknomic Technologies Ltd.
Senior Software Engineer

(January 2018 - December 2018)

Tech Stack: Go, Node.js, MySQL, Blockchain, Kafka, Redis, Vue.js Worked on developing OpenTradingPlatform. This platform's aim is to allow users to trade on multiple exchanges through a single platform.

- As the first in-house hire, I played an integral role in design and development of the application, while leading and mentoring a team of interns.
- Built the core data analysis engine for the system 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.
- Built the interface server between our system and connected exchanges to facilitate fast trades, while ensuring the ease of adding more exchanges in the future.
- Implemented CI/CD using AWS Services like CodeDeploy, EC2, S3 etc
- Built a system for interaction with various public blockchains, for wallet generation, deposits and withdrawals. Integrated with Amazon SQS to facilitate the same the same.
- Built secure APIs for use with our clients, while participating in code reviews and peer reviews, while maintaining a test coverage of 90%+.
- Led the initiative of converting and breaking down the HTML designed layout into Vue.js, and integrating them with our actual data sources and APIs.

Seraro Solutions Ltd.
Software Engineer

(July 2016 - December 2017)

Tech Stack: Node.js, AWS, Serverless architecture, IoT, MongoDB, MySQL, Redis, Angular 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
Bachelor's Degree Computer Science & Engineering

(August 2012 - June 2016)

Central Board of Secondary Educations
AISSCE (CBSE class 12th) Computer Science

(April 2011 - March 2012)

LANGUAGES

English
Fluent

Hindi
Native