

VISWANATH KAPAVARAPU

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Github: <https://github.com/viswanathkgp12>

StackOverflow: [viswanath-kgp12](#)

SUMMARY

Seasoned developer with 7+ years of experience in the software industry. Specializes in backend development leveraging technologies like NodeJS/Typescript, Python, Ruby On Rails.

PROFESSIONAL EXPERIENCE

SPOTON, BANGALORE LEAD BACKEND DEVELOPER		APR 2021 – PRESENT
<u>PAYMENTS LITE</u> Backend for retail point-of-sale orders, merchant location based settings and sales reporting. <ul style="list-style-type: none">Led backend and API redesign for retail order flows, significantly improving performance and enabling over \$30M in monthly sales.Architected and developed an ETL pipeline for sales reporting, consolidating daily, weekly, and yearly trends to provide key business insights.Facilitated discussions with cross-functional teams to understand and integrate various payment methods, ensuring accurate transaction processing and reporting.Assisted in infrastructure setup using AWS and Terraform, supporting merchant-specific settings and robust sales reporting systems. Languages/Tools: Python3/FastAPI, Faust, PostgreSQL, Kafka, Redis(Elasticache), Open Telemetry		
<u>MERCHANT WALLET</u> Helps merchants to manage funds while enabling restaurant owners to issue employee cards with spend controls. <ul style="list-style-type: none">Spearheaded transitioning of the product from another team, ensuring a smooth knowledge transfer and uninterrupted service during the transition.Helped onboard new engineers by effectively transferring product knowledge.Enhanced product security by implementing attribute-based permissions, ensuring access control for REST APIs. Languages/Tools: Nest Js/TypeScript, AWS SQS/SNS, PostgreSQL, Open Telemetry		
PROPINE, SINGAPORE(REMOTE) SENIOR BACKEND ENGINEER		JUN 2020 – APR 2021
Custody solution for managing assets in a safe and secure manner for institutions. Supports API based interface for institutions to interact with. <ul style="list-style-type: none">Maintained legacy backend application on Ruby on Rails(erb templates, policies, puma jobs) including resolving high priority bugsDeveloped a generic interface for wallet operations across blockchains for ease of useIntegrated Ethereum token flows and implemented retry mechanisms for seamless deposit and withdrawal operations.Led knowledge-sharing sessions and demos on backend application maintenance. Languages/Tools: Hapi Js/TypeScript, PostgreSQL, Rails, React(limited experience), RabbitMQ, ElasticSearch, Datadog		
TOKENTECH R&D, BANGALORE		NOV 2018 – JUL 2020
<u>CUSTODIAL WALLETS</u> Custodial wallets on HSM (hardware security modules) for the storage of a reserve of cryptocurrencies. <ul style="list-style-type: none">Developed multi-signature wallets for top20 cryptocurrencies including Ethereum, Bitcoin, Litecoin, Bitcoin Cash, StellarBuilt backend services for wallets: wallet APIs, whitelisting services and web socketsWorked on Thales nShield Connect HSMs for cryptographic key generation/storage, signing and verificationSetup and maintenance of Blockchain Nodes for mainnet, testnet and regtest environments Languages/Tools: Node Js, TypeScript, C, Python3/Flask, Solidity, MySQL, Docker, RabbitMQ		
ZEONLAB, PUNE/MUMBAI BLOCKCHAIN DEVELOPER		MAY 2017 - OCT 2018
<u>VERIFIED ON CHAIN</u> Provable issuance of certificates and badges on Ethereum Blockchain by universities and employers. <ul style="list-style-type: none">Developed Solidity Smart Contracts for issue/verify/revoke certificates in a transparent mannerResponsible for backend web services for auto-generation of certificates in PDF , signing and storing them on decentralized storage along with integration of relevant APIs in JavaScript Languages/Tools: JavaScript, Python3/Django, Postgres, Solidity, Truffle		

EDUCATION

IIT Kharagpur – 2012-2017 Cumulative Grade Point Average (CGPA): 7.82 / 10.0

MISC - CERTIFICATIONS/HACKATHONS

- [Paradigm CTF](#) | Feb 2021
Team Goldenn - Solo participant - Rank 28
- Open source contributions to web3.js [#1](#) [#2](#), bitcoresh, moneybutton/bsv, conseiljs [#1](#)
- Coinlist Tezos Hackathon(Jul 20) | \$5000 Prize [Winner](#)
Built [auctioning platform](#) providing flexible framework for conducting auctions in de-centralized manner([Backend](#))
- Chainlink Hackathon | [Repo](#)
Decentralized prediction markets using Chainlink Oracle Price feeds(BTC/USDT, ETH/USDT)
- Proffer Hackathon(Nov 17) | [Finalist](#)
Built provenance on supply chain([Github](#)) to bring transparency and automate payments utilizing Blockchain platform
- **Certifications:** [Docker/Kubernetes Certification](#), [IBM Blockchain Foundation Developer](#), [IBM Blockchain Essentials](#)