Govind Singh

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Summary

Results-oriented and versatile Backend Developer with 8 years of experience in developing and managing complex backend architectures and robust digital products. Proven track record of leading development teams in enterprise-wide projects, focusing on quality, delivery, and reliability. Formerly with CoinSwitch, UrbanPiper, and Cartoon Mango Digital. Passionate about automating repetitive workflows and enhancing operational efficiency. Skilled mentor, having guided over 10+ team members. Strong time management skills and commitment to delivering high-quality solutions. Skilled in Python, JavaScript, Golang, Rest APIs, Docker, GIT, AWS, Pipelines and Grafana.

Education

Master **Vellore Institute of Technology, Vellore**, Computer Application — July 2014 – July 2016

Experience

PeepalCo (CoinSwitch), Senior Software Engineer — Remote — Dec 2021 – July 2024

- Developed and maintained a dedicated service for fee and discount management, increasing flexibility in configuring fees and discounts for different assets.
- Created an offer generation module that enhanced flexibility in fee-in/fee-out constructs, storing structured details of various stages of fees, discounts, GST, and TDS for improved auditability and traceability.
- Contributed to system reliability by preparing multiple SOPs and dashboards, resulting in faster incident response times.
- Created comprehensive documentation for various in-house services, reducing onboarding time for new hires by 40%.
- Conducted training sessions, promoting best practices and reducing code defects by 15%.

UrbanPiper Technology Pvt Ltd, Senior Software Engineer — Remote — Dec 2019 – Nov 2021

- Evaluated product requirements and specifications, developing various product modules.
- Learned and utilized OLAP databases and GraphQL for enhanced data management and interaction.
- Developed Django management commands to automate redundant tasks, increasing efficiency.
- Provided regular feedback on best practices, contributing to overall code quality.
- Improved test coverage across multiple products, ensuring robust and reliable software.
- Converted existing Django SSR projects into GraphQL-based APIs, enhancing application performance and scalability.

Cartoon Mango Studios, Senior Software Engineer — Bengaluru, India — Feb 2016 – Nov 2019

- Evaluated project requirements and specifications, developing software applications that surpassed client expectations.
- Collaborated with project managers, developers, quality assurance, and customers to resolve technical issues efficiently.
- Discussed project progress with customers, collected feedback at various stages,

and directly addressed concerns.
- Introduced methodologies and best practices to enhance product definition and application customization.
- Trained and mentored junior developers in JavaScript, improving overall team performance and skill levels.

Projects

Open Source   Nov 2021
- Contributed to open-source tools used in my regular workflow and made various enhancements to Neovim plugins. Visit my GitHub profile for more details.

Offer Service   Apr 2022
- The Offer Service is a multi-tenant backend service designed to handle various asset types and complex calculation logic for trading activities. It includes comprehensive validation checks and stages calculations to enhance trading accuracy, auditability, and system reliability

FADE (Fee and Discount Engine)   Nov 2023
- FADE is a multi-tenant fee and discount service designed to support various asset types, incorporating configurable parameters to ensure accurate calculations. It features comprehensive monitoring and user-friendly configuration uploads, enhancing both performance and usability.

Atlas   Dec 2019
- Atlas is a comprehensive service that includes order and customer analytics, marketing campaign creation, and an invoice module.

Cricket.com   July 2018
- A platform to provide cricket updates including score, schedules, articles, player stats and fantasy points, etc.

Machine & Motors   Mar 2017
- Machine & Motors is a platform similar to IndiaMart, designed to connect buyers and sellers of industrial machines and motors, streamlining transactions and facilitating business growth.

Medwisor   Dec 2018
- Medwisor is a platform similar to Practo, designed with a microservice architecture to provide expert medical opinions, hospital and patient onboarding, and seamless appointment booking on the go.

Technologies

Languages: Python, JavaScript, Golang, C, Rust

Software: Git, Vim, Docker, Nginx, Grafana, Redash, Jira, Redis, CI Pipelines