

Govind Singh

Senior Software Engineer

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🐙 [guruor \(https://www.github.com/guruor\)](https://www.github.com/guruor)

[connect-govinds \(https://calendly.com/connect-govinds\)](https://calendly.com/connect-govinds)



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, with a focus 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.

SKILLS

Languages

Python | JavaScript | Golang | C | Rust

Frameworks

Django | Flask | ExpressJS | Gin

Databases

PostgreSQL | MYSQL | MongoDB |
Firebase | ClickHouse

Tools

Git | Vim | Docker | Nginx | Grafana |
Redash | Jira | Redis | CI Pipelines

Other

Leadership | Time Management

WORK EXPERIENCE

Dec 2021 - Jul 2024

Senior Software Engineer at PeepalCo (CoinSwitch)

📍 Bengaluru, India 🌐 <https://peepal.co/>

- Developed and maintained a dedicated service for fee and discount management, provided more flexibility of configuring fee and discounts for different assets
- Developed offer generation module for better flexibility feein/feeout construct, it stored the structured details of various stages of fee, discount, GST and TDS for better audit and tracibility.
- Contributed towards the relibility by preparing multiple SOPs and dashboards, resulted in faster incident response times.
- Created comprehensive documentation of various in house services, reduced onboarding time for new hires by 40%
- Conducted training sessions, promoting best practices and reducing code defects by 15%.

Dec 2019 - Nov 2021

Senior Software Engineer at UrbanPiper Technology Pvt Ltd

📍 Bengaluru, India 🌐 <https://www.urbanpiper.com/>

- 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.

Feb 2016 - Nov 2019

Senior Software Engineer at Cartoon Mango Studios

📍 Bengaluru, India 🌐 <https://www.cartoonmango.com/>

- 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

Offer Service

Apr 2022 - Jan 2023

Skills acquired: Golang | Gin | Redis | GRPC

- Designed and implemented a multi-tenant Offer Service supporting multiple asset types with comprehensive LLD and HLD documentation.
- Developed complex calculation logic and multiple validation checks, improving trading accuracy and efficiency.
- Structured calculations into stages for enhanced auditability and understanding.
- Learned Golang and implemented the service, ensuring high performance and reliability.
- Managed monitoring and dashboarding, facilitating better performance tracking and issue detection.
- Collaborated with cross-functional teams to ensure seamless integration of the service.

FADE (Fee and Discount Engine)

Nov 2023 - Feb 2024

Skills acquired: Golang | Gin | Grule | Redis | S3

- Designed and implemented a multi-tenant FADE service to support multiple asset types with detailed LLD and HLD documentation.
- Developed configurable fee and discount parameters, including asset type, asset name, order source, order type, trade amount, trade volume, and user ID.
- Managed monitoring and created dashboards to track service performance and identify issues.
- Enabled business-friendly sheet uploads for easy configuration of fee and discount parameters.

Atlas

Dec 2019 - Aug 2019

 <https://atlas.urbanpiper.com/>

Skills acquired: Python Django | ClickHouse | SQLAlchemy | MySQL | GraphQL | RazorPay | Pytest | Github Issues | Time Management | Code Review

- Migrated existing analytics solution from Exasol to ClickHouse, learning OLAP databases.
- Ingested MySQL data into ClickHouse using Airflow ETL for efficient data processing.
- Designed core architecture for an Invoice Processing module to manage periodic notifications and payment collections for QuickBooks invoices.
- Developed periodic tasks with RQ worker for maintaining active auth tokens and sending notifications.
- Created Django management commands to automate redundant tasks, enhancing productivity.
- Integrated Razorpay payment links to streamline payment processes.
- Applied GraphQL to migrate an existing SSR-based CRM product to APIs, improving data interaction.
- Documented critical parts of the codebase and reviewed pull requests to ensure code quality.

Cricket.com

Jul 2018 - Dec 2018

 <https://www.cricket.com/>

Skills acquired: Node Express Js | MongoDB | Firebase | Mongoose | Redis | Bash | Docker

- Designed the core architecture for cricket.com.
- Developed CRUD APIs for authentication, league, event, match, team, player, and article modules.

- Implemented cronjobs to trigger events based on game status changes.
- Integrated Firebase socket for real-time updates and notifications.
- Utilized Redis for caching scorecard data and as a message broker between the API server and the Java parser.
- Managed code deployment using Docker.

Machine & Motors

Mar 2017 - Jan 2018

Skills acquired: [Python Django](#) | [jQuery](#) | [MySQL](#) | [AWS S3](#) | [AWS SES](#) | [AWS SES](#) | [PIL](#) | [FFMPEG](#) | [Nginx](#) | [Bash](#) | [Pdfkit](#) | [wkhtmltopdf](#)

- Developed APIs for the Buyer module, including authentication, cart, and wishlist management.
- Created order and review management modules for comprehensive order handling.
- Designed and implemented a product inventory module, including product CRUD operations and media uploads with scaling.
- Developed deployment scripts and cron jobs for automated backups.
- Generated PDF invoices using PDFKit.
- Integrated the Instamojo payment gateway for secure transactions.

Medwisor

Dec 2018 - Apr 2019

Skills acquired: [Node Express Js](#) | [MySQL](#) | [Sequelize](#) | [Bash](#) | [Sharp](#) | [FFMPEG](#) | [Docker](#) | [Puppeteer](#) | [Headless Chrome](#) | [Bitbucket pipeline](#)

- Designed the core architecture for the project and prepared a Node.js ES6 boilerplate with Sequelize.
- Developed three microservices for Patient, Hospital, and Admin portals, enabling inter-service communication via HTTP.
- Created utilities for image scaling with Sharp, video scaling with FFMPEG, and PDF conversion with Puppeteer and Headless Chrome.
- Set up Bitbucket pipelines for continuous integration and deployment.
- Integrated the goCash payment gateway to streamline payment processing.

Portea

Aug 2019 - Aug 2019

Skills acquired: [Node Express Js](#) | [MySQL](#) | [Knex](#) | [Docker](#) | [Gitlab CI/CD](#) | [Leadership](#) | [Time Management](#) | [Code Review](#) | [Swagger](#)

- Designed the core architecture of the project and managed a team of 2 developers.
- Reviewed pull requests to ensure code quality and consistency.
- Handled code deployment using Docker and GitLab CI/CD for streamlined operations.

EDUCATION

2014 - 2016

Master Computer Application at Vellore Institute of Technology, Vellore

2010 - 2013

Bachelor Computer Applications at Mohan Lal Sukhadia University, Udaipur

LANGUAGES

Hindi

English

INTERESTS

Entertainment

Mentoring

Skills acquired: [Movies](#) | [Tv Series](#)