



**Shrivatsa Rao**

Software Engineer

* Engineer with 3 experience in platform design, API management, and plugin configuration.
* Skilled in integrating API, automating deployments, and solving performance issues.
* Passionate about delivering quality solutions and learning new technologies.

**PROFESSIONAL SUMMARY**

**AREA OF EXPERTISE**

* Kong Gateway Deployments Cloud and On-Premise
* Insomnia/Swagger Tools
* Observability & Monitoring
* API Security & Testing
* Docker/decK/Kong Ingress Controller/Kong Konnect SaaS
* Helm Chart Deployment
* API Design & Architecture

**TECHNICAL QUALIFICATIONS**

* **API Gateway**: Kong Enterprise,
* **Kong Products**: Kong Gateway Enterprise, Kong Konnect SaaS Platform, Kong decK, Kong Insomnia, KIC, Kong Gateway Operator.
* **CI/CD**: Github Actions, Azure
* **Databases**: Microsoft SQL server. PostgreSQL, MongoDB
* **Version Controls:** GitHub, GitLab
* **Observability & Monitoring:** Grafana, Prometheus, Tempo, Loki, Grafana Alloy, Promtail
* Intergrated Kong with existing APIs and backend systems.
* Managed API security by implementing authentication and authorization and rate limiting.
* Implemented traffic management features such as loading balancing and caching.

**EDUCATIONAL QUALIFICATIONS**

Sahyadri College of Engineering and Management, Adyar, Mangaluru, Dakshina Kannada

**CERTIFICATES**

* Kong Gateway Certified Associate
* Received Kong Foundation and Kong Operator Badges
* Automated Kong configurations as a part of DevOps pipeline.
* Developed and maintained API documentation using Kong Developer Portal.
* Implemented and configured Kong plugins for security, rate limitng and logging.
* Deployed Kong Gateway using the Kong Ingress Controller (KIC) in GCP across different environments, including development (dev), user acceptance testing (UAT), and production (prod).
* Optimized API performance and scalability on the Kong Gateway, ensuring smooth API execution post-migration.
* Monitored and troubleshooted issues related to Kong performance, integration, and plugins.

**WORK EXPERIENCE**

**Novigo Solutions *-***

**Project details:**

**PROJECT 1: Nyletech**

* Led the implementation of API management solutions using Kong for vehicle tracking and transport management.
* Deployed services in Kong using Swagger files and automated the process with Bash scripts integrated into the Azure pipeline.
* Designed high-availability architectures to ensure API reliability and performance.
* Automated API deployment through CI/CD pipelines, improving efficiency.
* Collaborated with teams to integrate APIs with applications and services.
* Monitored and optimized API performance, ensuring smooth functionality.

**PROJECT 2: Petro Hub**

* Installed and configured Kong as a robust API gateway for managing services.
* Seamlessly integrated services with Kong for efficient traffic management and routing.
* Implemented strong security measures through authentication and authorization mechanisms.
* Configured load balancing in Kong to distribute traffic evenly across services.
* Automated API deployment and management processes using CI/CD pipelines for faster delivery.

**PROJECT 3: STC**

* Developed APIs using Node.js to facilitate communication between services.
* Wrote complex SQL queries in PostgreSQL to handle data retrieval and manipulation.
* Used GitHub for version control in the development process.
* Tested APIs and debugged issues through logging and response analysis.
* Gained practical experience in API development and database management with exposure to Node.js.