# KOLLA DINESH

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## Professional Summary

- **Golang Full-Stack Engineer** with 7 years in **healthcare, retail, and banking** delivering scalable, secure microservices and APIs.
- Proven expertise in building event-driven and cloud-native systems using **Golang (Fiber/Gin)** and **Java (Spring Boot).**
- Integrated **AI/ML modules** using **LangChain and OpenAI API** for predictive analytics and automation.
- Architected low-latency pipelines using **Kafka, Redis Streams, AWS Lambda** and achieved sub-120 ms response under load.
- Deployed **Docker/Kubernetes/Terraform**-based microservices with **CI/CD** (Jenkins, GitHub Actions) ensuring 99.9 % uptime.
- Proficient with **PostgreSQL, MongoDB, Cassandra, Elasticsearch**, specializing in query tuning, caching, and schema optimization.
- Implemented secure **OAuth 2.0/JWT** authentication, audit logging, and IAM roles following cloud best practices.
- Experienced in **Agile and Scrum methodologies** with strong collaboration in sprint planning, code reviews, and continuous delivery cycles.
- Built production-grade Golang APIs for logistics data pipelines leveraging **Kafka and Redis**, while driving **CI/CD** modernization and Kubernetes autoscaling at **Midwest Good Inc**, cutting release time by 65%.

## Technical Skills

- **Languages:** Golang, Java, JavaScript (ES6+), Python, SQL, HTML, CSS
- **Frameworks:** Fiber, Gin, Spring Boot, Beego, React.js, Redux, Bootstrap, Tailwind CSS
- **Cloud & DevOps:** AWS (ECS, Lambda, S3, IAM), Azure Functions, Terraform, Docker, Kubernetes, Jenkins, GitHub Actions
- **Messaging:** Kafka, RabbitMQ, Redis Streams
- **Databases:** PostgreSQL, MongoDB, Cassandra, DynamoDB, Elasticsearch
- **AI/ML:** LangChain, OpenAI API, TensorFlow Lite, Hugging Face
- **Testing & Monitoring:** Testify, JUnit, Postman, Prometheus, Grafana
- **Version Control:** Git, Bitbucket, GitHub
- **Tools & Platforms:** IntelliJ, VS Code, Postman, Swagger, Maven, JIRA, Confluence
- **Methodologies:** Agile, Scrum, Kanban

## Professional Experience

### Golang Full Stack Developer
*Midwest Good Inc*

May 2024 – Present
*Chicago, IL*

- Developed cloud-native **Golang (Fiber)** APIs for real-time order, shipment, and carrier tracking using **PostgreSQL and MongoDB**.
- Deployed distributed microservices on **AWS** via **Docker, Kubernetes, Terraform** with blue/green rollouts and self-healing pods.
- Implemented asynchronous workflows using **Kafka and Redis Streams** handling millions of transactions daily.
- Integrated **LangChain/OpenAI** modules for proactive shipment-delay predictions and anomaly detection dashboards.
- Automated **CI/CD** pipelines (GitHub Actions, Jenkins), doubling release cadence and reducing manual errors by 70%.
- Partnered with React teams exposing REST/GraphQL endpoints and optimized payloads and caching for 40% faster UI responses.
- Containerized background workers and microservices on **AWS Fargate and Kubernetes**, implementing Go-based CRON jobs for nightly reconciliations and performing Linux-level troubleshooting to ensure high availability and performance.
- Configured observability stack using **Prometheus and Grafana** with custom SLIs and alerting rules, improving issue detection speed.

- Collaborated in Agile sprints with cross-functional teams, contributing to sprint planning, backlog grooming, and iterative feature delivery.

## Senior Golang Developer
*Optum (UnitedHealth Group)*

Jan 2023 – Mar 2024
*Chicago, IL*

- Built predictive health-analytics microservices in **Golang (Fiber)** integrating **LangChain/OpenAI API**.
- Designed ETL dataflows via **Kafka and Redis**, processing multi-million-record patient datasets daily.
- Served inference through **AWS Lambda**, optimized cold starts achieving sub-120 ms latency.
- Applied **Redis** caching/pooling (**Redigo**), resulting in 40% faster queries and reduced database load.
- Enforced HIPAA compliance with **OAuth 2.0**, encryption, secret rotation, audit runbooks.
- Built **Prometheus and Grafana** dashboards with SLOs for reliability and capacity planning.
- Participated in Agile ceremonies including daily standups, sprint retrospectives, and release planning to ensure timely delivery and continuous improvement.

## Java Full Stack Developer
*Capital One*

Jan 2022 – Dec 2022
*Plano, TX*

- Designed and developed **REST** and **GraphQL APIs** using Spring Boot for credit decisioning and customer onboarding workflows, improving system reliability and reducing onboarding time for new users.
- Built dynamic, responsive **React.js** front-end interfaces integrated with Java APIs, implementing client-side validation, caching, and feature toggles to enhance customer experience and maintain modular code releases.
- Implemented **OAuth 2.0 (Client Credentials)** and automated secret rotation, strengthening application security and ensuring compliance with enterprise security policies.
- Integrated **Kafka** for event-driven processing and reliable payment notifications, improving system traceability and message throughput under high load.
- Enhanced **CI/CD pipelines** with Jenkins and SonarQube, reducing code regressions by 30% and improving release quality through automated static analysis and unit testing.
- Collaborated within **Agile sprints** with cross-functional teams (**QA**, **DevOps**, and **Product**) to ensure timely delivery of secure and high-performing microservices.

## Java Developer
*Royal Bank of Canada (via Cognizant)*

Jan 2020 – Jun 2021
*India*

- Developed **Spring Boot** services for payments and credit systems, applied retry and circuit-breaker patterns for resilience.
- Designed and maintained **ETL pipelines** using **Talend and Apache NiFi** for core-banking data migration and reconciliation.
- Streamed transaction events to analytics platforms using **Kafka** and managed schema registry with dead-letter queues (DLQs).
- Optimized **Oracle PL/SQL** procedures and partitioning, reducing end-of-day batch processing time by 35%.
- Secured services with **JWT** authentication and audit logs, automated testing using JUnit and Postman, and CI/CD with Jenkins.

## Software Engineer
*Tech Mahindra*

Apr 2018 – Dec 2019
*India*

- Developed and integrated **Java REST APIs** for real-time billing and CRM modules across telecom BSS systems, improving data synchronization accuracy and reducing manual reconciliation efforts.
- Automated **CI/CD pipelines** using Jenkins and Maven, reducing deployment time by 60% and improving release consistency across multiple environments.
- Optimized **SQL queries** and **PL/SQL stored procedures**, reducing average batch processing time and enhancing system performance during peak billing cycles.
- Documented and standardized APIs using **Swagger/OpenAPI**, enabling faster onboarding for consumer teams and reducing integration defects by 25%.
- Collaborated within **Agile sprints** to deliver new features and bug fixes, contributing to improved team velocity and predictable release cycles.

## Projects

**AI-Driven Healthcare Insights Platform**

*Optum*

- Architected full-stack AI platform with **Golang Fiber APIs**, **LangChain**, and **OpenAI API** for predictive health insights.
- Created **Kafka and Redis Streams** pipelines handling over 10 million events per day with backpressure control, enabling reliable real-time data processing.
- Served ML inference (**TensorFlow Lite**) through Go REST APIs with under 120 ms latency using **AWS Lambda**.
- Implemented HIPAA-aligned security and audit logging with JWT tokens and encryption in transit/at rest.

## Certifications

**AWS Certified Developer – Associate**

**Golang Microservices Specialization**

## Education

**Master of Science in Computer Science**

*Northern Illinois University*                                                                                          *Dekalb, IL*