

M. Obaydullah

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EXPERIENCE

- **AppsCode Inc.** February 2023 - January 2026
Software Engineer | *Go, Kubernetes, Docker, Helm, FluxCD, Flagger, Kafka, Envoy Gateway*
Developed and maintained Kubernetes CRDs and controllers for the KubeDB Operator. Implemented provisioning for Kafka, improved RabbitMQ support, and extended the Gateway API with a custom database route controller. Added GitOps support for managing databases via Git workflows. Designed and executed a PoC for database migration. Wrote end-to-end tests and documentation to ensure reliability and adoption.
- **Traders Connect App** February 2026 - Present
Software Engineer | *Go, Kubernetes, Docker, Helm, RabbitMQ, MySQL, Redis, Kafka, Envoy*
Worked on an existing production codebase, implementing new features and enhancements. Prepared containerized services using Docker and Kubernetes for deployment on Google Cloud Platform. Collaborated with the team on configuration, testing, and release readiness.

PROJECTS

- **KubeDB Kafka** - Solutions for Deploying and Managing Kafka on Kubernetes
- **AppsCode Inc.** | *Go, Kubernetes, Helm, Docker, Kubebuilder, Kafka, Ginkgo, Bash*
 - Improved CRD for KubeDB Kafka and enhanced the Kubernetes controller.
 - Designed new CRDs and added Kubernetes controller: Kafka Connect, Schema Registry, Rest Proxy
 - Introduced Custom Configuration for Kafka and Kafka Connect
 - Implement TLS/SSL support for Kafka and Kafka Connect
 - Added support for Day-2 operations: Scaling, Upgrades, Reconfiguration
 - Developed monitoring setup with Prometheus alerts and Grafana dashboards
 - Wrote e2e tests and user guides to support adoption
- **KubeDB GitOps** - Solutions for Deploying and Operating KubeDB Databases with GitOps
- **AppsCode Inc.** | *Go, Kubernetes, Helm, Docker, Kubernetes Operator, Git, FluxCD/ArgoCD*
 - Added new CRDs mirroring the KubeDB databases API
 - Built a controller to sync GitOps CR changes into KubeDB CRs, automating lifecycle operations
 - Enabled support for scaling, reconfiguration, and upgrades through Git-driven CR changes
 - Added user documentation for supported databases GitOps workflow
- **Voyager Gateway** - Extended Kubernetes Gateway for Database Specific Routing
- **AppsCode Inc.** | *Go, Kubernetes, Kubernetes Operator, Kubebuilder, Kubernetes Gateway API, EnvoyProxy*
 - Introduced Custom Routes for Database Protocol-specific routing
 - Developed CRDs for database-specific custom routes and integrated them into the controller
 - Built to expose multiple database nodes through a single custom route for simplified access and routing
 - Exposed database UIs securely through Gateway API's HTTPRoute

TECHNICAL SKILLS

- **Programming Languages:** Go, C++, C#, Java, Python
- **Frameworks & Libraries:** Kubebuilder, Ginkgo, Gin, Gorm, JWT, ASP.NET
- **Technologies & Tools:** Linux, Docker, Kubernetes, Envoy Gateway, AWS, Kafka, RabbitMQ, PostgreSQL
- **Monitoring & Observability:** Prometheus, Grafana

COMPETITIVE PROGRAMMING ACHIEVEMENTS

- Honorable Mention, ICPC Asia West Continent Final Contest 2022. [Team: End_of_an_Era]
- 21st, 28th Place, ICPC Asia Dhaka Regional Contest 2022 and 2020. [Team: End_of_an_Era, BUP_Aerolite]
- 19th Place, SUST IUPC 2023. [Team: Resurrection]
- Google CodeJam - Round 2 (2021, 2022) and Global Rank **92nd** at Google Kickstart Round G (2022)
- Participated in 170+ rated contests in codeforces with a max rating of 1867. [[Profile](#)]

EDUCATION

- Bachelor of Science, Information and Communication Technology Dhaka, Bangladesh
- Bangladesh University of Professionals; GPA: 3.68/4.00 January 2019 – January 2023