

MONGEZI TONE JALI

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SUMMARY

Full-stack developer focused on .NET + Azure stack, with 3+ years of experience building APIs, cloud-integrated systems, and CI/CD pipelines in agile teams. Proficient in backend services (C#, SQL, Docker), monitoring (Grafana, Prometheus), and cross-platform development (Flutter). Proven ability to ship production-grade features, support mission-critical systems, and collaborate across DevOps and frontend/backend boundaries.

PROFESSIONAL EXPERIENCE

- **Backend:** C#, .NET Core, ASP.NET Web API, SQL Server, EF Core
- **Frontend:** Flutter, Dart, HTML, CSS, JavaScript
- **Cloud:** Microsoft Azure (Functions, App Services, Storage, Blob, Cosmos DB)
- **DevOps:** Azure DevOps, Docker, GitHub Actions, Jenkins, CI/CD
- **Monitoring:** Prometheus, Grafana, Alert Manager
- **Tools:** Git, Azure Pipelines, Kubernetes, Postman
- **Practices:** Agile, OOP, System Integration, API Design, Observer Pattern

PROFESSIONAL EXPERIENCE

Junior Full Stack Developer, OOGi Lab

Jan 2023 - Present

- Developed and maintained .NET Core APIs for a cloud-based AI and IoT fleet management platform used by logistics clients, including Australia Post.
- Built core services for vehicle tracking, driver behavior analysis, real-time AI camera monitoring, and driver learning tools.
- Designed observer-based architecture with C# and ASP.NET for API endpoints, services, repositories, unit/integration tests, and Firebase messaging services.
- Implemented SQL Server databases using Liquibase for migrations, with query integration into the repository domain and .NET backend.
- Managed Azure Functions and services for device event streams, external integrations (webhooks, Geotab), event logging, and real-time processing pipelines.
- Led cloud messaging system implementation (Firebase, Supabase, Hive) for mobile/web notifications using Flutter and .NET integration.
- Built mobile and web apps in Flutter using Bloc architecture, unit/user testing, local storage with Hive, and real-time UI with Mapbox and Flutter Maps.
- Set up and maintained Prometheus, Grafana, and Alertmanager stack for monitoring Azure services, APIs, DBs, and IoT devices with custom PromQL dashboards.
- Designed real-time streaming architecture for IoT camera feeds with Nginx, media servers, and secure authentication layers.
- Worked with Elasticsearch and Cosmos DB for scalable search and storage solutions.
- Participated in project planning, led UI/backend feature implementations, and performed API testing with Postman.
- Supported team DevOps workflows using Docker for local dev storage and containerized virtual machines.

EDUCATION

WeThinkCode - 2022

- **NQF Level 5:** Systems Development & Computer Software Engineering
- Covered Java, Python, JavaScript, Git, OOP, Web APIs, Docker, SQL, Maven

LANGUAGES

- English, isiZulu, isiXhosa
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