

BILAL AWSHID

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EDUCATION

Sri Lanka Institute of Information Technology | BSc (Hons) in IT, Software Engineering 2022 – 2026

- CGPA: 3.53
- Faculty of Computing Certificate of Excellence (Dean's List), 2023

PROJECTS

GradeLoop — AI-Powered Learning Management & Assessment Platform [GitHub]

Tech: Go (Fiber, gRPC), Python (FastAPI), TypeScript (Next.js), Kong API Gateway, Docker, RabbitMQ

- Co-architected a polyglot distributed system comprising 12 microserviceplatform, isolating domain management in Go and specialized ML/AI ML pipelinesvia in Python FastAPI.
- Implemented a two-pass asynchronous code evaluation pipeline incorporatingEngineered an async RabbitMQ evaluation pipeline for AST semantic clone , keystroke analys and syntactic analysis event streams.
- Used LLM as judge to generate tiered feedback achieving 0.937 grading score.

CCMM — Distributed Code Complexity Analyzer [GitHub]

Tech: Java (Spring Boot), Node.js, Express, React, Maven, WebSockets, REST APIs

- Designed a multi-tier analysis architecture decoupling AST services (Spring Boot) from dynamic client management end routines.
- Implemented static analysis algorithms for Halstead metrics (volume, difficulty, effort) and cyclomatic line distributions across uploaded codebases.
- mmunication protocols to enable concurrent, real-time multi-user editing, immediate metrics re-evaluation, and chat via WebSockets.

EXPERIENCE

Bondstreet ONE (PVT) Ltd
Software Engineer - Consulting

Remote

Nov 2025 – Present

Tech: Next.js, React, TypeScript, REST APIs, Tailwind CSS, State Management

- Engineered component-driven UI architectures and server-rendered page flows in Next.js.
- Designed stateful booking and inventory API patterns for high-throughput web features.

Axcertro
Mobile Application Developer - Intern

Sri Lanka

Oct 2024 – Mar 2025

Tech: Flutter, Dart, JavaScript, Laravel, REST APIs, CI/CD, Git

- Implemented client-side caching and persistent state in Flutter Web (e.g., Hang10) to minimize latency.
- Integrated RESTful API contracts and view-model bindings across Flutter, JS, and Laravel.
- Executed automated CI/CD deployment workflows and participated in peer code reviews.

SKILLS

Languages Go, Python, TypeScript, JavaScript, Java, Dart, C, SQL

Frameworks & Tools Next.js, React, FastAPI, Go Fiber, Spring Boot, Flutter, Node.js/Express, Docker, Firebase, Redis, MongoDB, Git

Focus Areas Distributed systems, microservices architecture, applied ML

CERTIFICATIONS

Certificate in Networking Basics — Cisco

2022

From Relational Model (SQL) to MongoDB's Document Model — MongoDB

2026

PUBLICATIONS

- Co-author, *A Scalable Hybrid LSH-Based Framework for Code Clone Detection*, accepted at IEEE ICHORA 2026.