

# Abulfetah Yi. Abduljelil

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## EDUCATION

**Addis Ababa University**, top university in Africa [↗](#)

*Bsc Electrical and Computer Engineering Student*

### Relevant Coursework

- *Object Oriented Programming, Operating Systems, Computer Architecture, Digital Logic Design*

**Africa To Silicon Valley, Coding Academy (Backed by Google)** [↗](#)

- *A2SV upskills high-potential African students, connects them with top tech companies, and creates digital solutions to urgent problems in their home countries.*
- *A2SV has successfully placed over 50 students at leading tech companies including Google, Bloomberg, Databricks, Amazon, LinkedIn, and Square in the past four years.*

### Relevant Coursework

- *Data Structures & Algorithms, Software engineering, System design*
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## PROFESSIONAL EXPERIENCE

### Backend Engineer (Freelance) – Payment Gateway Company

- worked on Developing a payment gateway in Go using a microservices architecture, enhancing maintainability and scalability while improving deployment speed.
- Optimized the services through advanced sorting algorithms and data structures, enabling the system to handle concurrent transactions.
- Strengthened security by following security best practices.

**AKiL** [↗](#)

### Backend Developer

- Built a high-performance notification system using Go, Goroutines, and background worker pools, processing up to 1,000 notifications per minute and reducing processing time by 20%.
- Designed and implemented a scalable user registration service in Go, supporting over 500 concurrent users with 98% uptime by optimizing database queries, connection pooling, and request handling, resulting in a 20% improvement in response time.
- Developed a volunteer invitation service using Go and transactional database operations, mitigating concurrency issues such as race conditions through atomic transactions, row-level locking, and robust error handling to ensure data consistency under high load.

## PROJECTS

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### **TransferMe** - Blockchain based sharia compliant remittance platform

Full-stack remittance platform enabling interest-free money transfers from the US and Saudi Arabia to Ethiopia, with payouts to Telebirr and local bank accounts. Built a Go REST API with PostgreSQL, double-entry ledger accounting, and Stellar-based settlement; an Expo/React Native mobile app for onboarding, KYC, transfers, cards, and real-time tracking; a Python/FastAPI AML microservice (rules, anomaly detection, OFAC screening); and React admin and marketing sites. Integrated Ethiopian National ID verification (VeriFayda/eSignet), document OCR, Stripe/Circle payments, encrypted wallet key storage, exchange-rate logic, and compliance workflows—delivered as a Dockerized multi-service system with JWT auth, Swagger API docs, and bank-grade security practices.

### **Robot CFO**

Full-stack Web3 app (Next.js, NestJS, Postgres) for DAO treasury management: multi-chain balance sync (LI.FI), Snapshot governance integration, Gemini-powered treasury analysis, and Safe multisig execution for swaps and bridges.

## SKILLS

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**Programming Language** : Python, Golang, Java script, Type Script, Java

**Frameworks / Libraries** Flask, Django, Vue, Nuxt, Nodejs, Gin, Fiber

**Databases** MySQL, PostgrecSQL, MongoDB, Dynamodb

**Technologies / Platforms** Docker, Git, Kubernetes, GraphQL, REST, grpc, prometheus, Grafana