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SAMUEL ABERRA
FULL-STACK DEVELOPER

Addis Ababa, Ethiopia

ABOUT ME / CAREER OBJECTIVE

Innovative and results-driven Full Stack Developer and Flutter Mobile App Specialist with a strong foundation in software engineering and a focus on scalable, real-time, and user-centered solutions. Experienced in designing and building impactful systems from front-end to back-end using modern technologies. Currently working as a full-stack Flutter developer since September, with a commitment to continuous growth, clean architecture, and delivering high-quality products. Seeking to contribute to meaningful projects within a forward-thinking team.

TECHNICAL SKILLS

- Languages & Frameworks: Dart, JavaScript (Node.js, Express.js), TypeScript, Go, HTML, CSS, Python, Java(OOP)
- Mobile Development: Flutter (iOS & Android), provider & bloc/cubit state management
- Backend & Real-time: Node.js, Express.js, Socket.io, REST APIs, JWT
- Database: MySQL, Sequelize ORM, PostgreSQL, SQLite, MongoDB
- Tools & Platforms: Git, GitHub, Postman, cPanel, Linux (EndeavourOS, Arch Linux, Ubuntu, Fedora)
- Architecture & Patterns: MVC, Clean Architecture, Modularization
- Other: Zod, Joi, Multer, ArifPay, chapa & santimpay local payment Integration, API Security

PROFESSIONAL EXPERIENCE

Flutter Full Stack Developer | Abyssinia Software Technology | Sept 2024 – Present | Full-time

- Developed cross-platform mobile apps using Flutter, with real-time backends in Node.js and MySQL.
- Delivered core systems including subscriptions, payment integration (ArifPay, santimpay), and custom notification services without third-party tools.
- Implemented secure authentication flows using JWT and role-based access control (RBAC).
- Refactored monolithic codebases into clean, modular RESTful APIs for better scalability and maintainability.
- Built a real-time multiplayer Bingo game using Socket.io, handling groups, leaderboards, and entry logic.
- Led full-stack development of products like DineIn Delivery, Dr. Menore Book Store, and Aman Cloud eLearning, covering both mobile and backend systems.
- Created additional real-time games such as Anbesa Bingo and Smart Bingo with live multiplayer support.
- Developed a Telegram Mini App platform and contributed to responsive web apps using React.
- Focused on scalable architecture, performance optimization, and delivering seamless cross-platform user experiences.

MERN Developer Intern | Qal Software Solution – Remote | Oct 2023 – Feb 2024

- Developed a full-featured MERN stack e-commerce platform with integrated product and user management.
- Built a Tenant Management System backend using Node.js, Express, and MySQL, focusing on secure data handling and API design.
- Contributed to the Palm Tree travel guidance app, enhancing backend logic and improving user experience.
- Gained hands-on experience in RESTful API development, database integration, and scalable web app architecture.
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Intern Mobile Application Developer | CBE, June 2023 – September 2023

- Developed a mobile banking application using Flutter, enhancing user experience and expanding customer accessibility.

- Collaborated with cross-functional teams to define system requirements and deliver effective solutions.

KEY PROJECTS

📚 ETBook Flutter App
- Mobile bookstore with tiered subscription plans, local/offline sync, token-based WebView sessions, and role-aware UI updates (Subscribe, Upgrade, Current Plan logic).
- Admin dashboard built with real-time notification support and role-based access

🎮 Multiplayer Bingo Game
- Real-time multiplayer logic with Socket.io, group creation based on entry fee, santimpay local payment integration for in-game wallet deposits/withdrawals, transaction rollback handling.

🏛️ Tenant Management Backend System
- Full-featured backend supporting tenant complaints, payment and withdrawal flows, admin/employee assignments, and modular, scalable service logic with Sequelize + Express.js.

🎮 Multiplayer Kesh-Kesh Game
- Real-time multiplayer logic with Socket.io, group creation based on entry fee, ArifPay local payment integration for in-game wallet deposits/withdrawals, transaction rollback handling.

Guzoye Tourism Management System
- Designed and implemented a web-based tourism management platform featuring Google Maps integration and a user support chatbot.

Weather Forecasting Expert System
- Developed an expert system using Python for weather predictions.

Movie Recommendation System
- Built a recommendation system using Python and Flask to suggest movies based on user preferences.

ACHIEVEMENTS/RESPONSIBILITIES

- Member of the Student Union, Ambagiorgis preparatory school (2017 - 2019)
- Team Leader for the final year project: Guzoye Tourism Management System (2024)

EDUCATION

Bahir Dar University – Bahir Dar, Ethiopia
B.Sc. in Information Systems
Graduated: July 2024 | CGPA: 3.79 (First Class with Great Distinction)
- Exit Exam: Passed (Score: 69%)
- Strong focus on software development and real-world problem solving

CERTIFICATIONS / ACHIEVEMENTS

ALX Software Engineering Program (Full-Stack Track)
Certified Full-Stack Software Engineer
2022 – 2024
- Intensive training in data structures, algorithms, system design, and full-stack development
- Specialized in Backend Development with hands-on experience across multiple languages, tools, and frameworks

PERSONAL SKILLS

- Excellent written and verbal communication skills
- Highly organized and detail-oriented
- Ability to work independently or as part of a team
- Strong problem-solver , critical thinker and adaptable
- Self-motivated with entrepreneurial drive
- Passionate about innovation and clean code

LANGUAGES

- Amharic- Native
- English- Proficient

REFERENCES

Available upon request.