Beka B. Atomsa *Software Engineer Intern*

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EDUCATION

A2SV, Software Academy 🔗   Nov 2023 – Nov 2025 | Ethiopia
- A2SV, a Google-backed non-profit, has upskilled African students since 2021, placing **60+** at top companies like Google, LinkedIn, Databricks, Palantir, and Bloomberg.
- Completed **2,000+ hours** of training in Data Structures and Algorithms (DSA) and Backend Engineering.

Addis Ababa University 🔗   Sep 2021 – Jun 2026 | Ethiopia
Bachelor of Science in Software Engineering
- 24th best African global university. 🔗
- Achieved a perfect **4.00 GPA** for three consecutive semesters; current GPA of **3.93/4.00.**

PROFESSIONAL EXPERIENCE

Qemer Software Technology PLC 🔗

Backend Engineering Intern   Sep 2024 – present | Ethiopia
- Managed and optimized MongoDB databases, enhancing data retrieval efficiency through indexing strategies, reducing query execution time by 15%.
- Developed RESTful APIs in Node.js, resulting in API response times of <100ms.

Backend Engineering Teacher   Sep 2024 – present | Ethiopia
- Designed and delivered backend development lessons using Node.js and Express.js to 25+ students.
- Mentored students, assisting them in troubleshooting and optimizing code.

SKILLS

- Advanced: Python, Go, JavaScript, TypeScript, Express.js.
- Intermediate: C#, React.js, Nest.js, PostgreSQL, MongoDB, Docker, .NET.
- Familiar: Java, MySQL.

PROJECTS

ArchitectedFinance 🔗   Jul 2024 – Jul 2024
- Developed the backend for a financial management app at A2SV to guide 4 team members on **Clean Architecture** and **Domain-Driven Design.**
- Utilized goroutines for concurrency management and transaction contexts for reliable database operations.
- Technologies**:** Go, PostgreSQL, Docker.

Idir 🔗   Jun 2023 – Aug 2023
- Developed a desktop application to for Ethiopia's traditional IDIR system, a community support network.
- Designed a relational database to manage member records and transactions, ensuring data integrity.
- Technologies**:** MySQL, Java Swing.

EXTRACURRICULAR ACTIVITIES

Volunteer Tutor 🔗   Jul 2023 – Aug 2023 | Harar, Ethiopia
Hi-tech Academy (High School)
- Initiated and taught Introduction to Programming to **40+ students** using Python at my alma mater, leading to the school incorporating programming into regular sessions for the first time.
- Designed and delivered engaging lessons on programming fundamentals.

ACHIEVEMENTS

- Ranked in the **top 100 nationally** and **3rd regionally** among **550,000+** students in the *2021* Ethiopian University Entrance Exam (EUEE).
- Awarded the title of "**A2SVian of the Camp**" for my outstanding performance during A2SV's first camp. 🔗
- Ranked in the **top 12%** on LeetCode with **750+** problem solutions and a **streak of over 8 months.** 🔗
- Ranked **7th active Github user** in Ethiopia and started **to Github open-source contribution.** 🔗