

# Abel Ashine Dadi

Cofounder & Full-Stack Software Engineer

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[LinkedIn](#) | [Github](#) | [Portfolio](#)

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## Professional Summary

Entrepreneurial **Full-Stack Software Engineer** and Systems Architect specializing in **Rust, Go (Golang), C, and AI-driven architectures**. Experienced cofounder of a US-based fashion-tech startup and founder of a local technology studio with a deep mastery across the entire development stack. Expert in building high-performance backend services, sophisticated frontend interfaces, AI-powered automation, and comprehensive cross-platform applications (Desktop, Mobile, Web) for the fintech, fashion, and enterprise sectors

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## Technical Expertise

- **Languages:** Rust (High-Performance), **Go (Golang)**, C (Modular/System Level), JavaScript/TypeScript, Dart, Python, SQL.
  - **Frontend & UI/UX Mastery:** **React, Next.js, Tailwind CSS, Redux, Zustand, Three.js (3D Graphics)**, Responsive Design, WebGL.
  - **Backend & Architecture:** **NestJS**, Node.js, Axum/Actix (Rust), Django, GORM, Fiber, Gin, Complex SQL/NoSQL (PostgreSQL, MongoDB, Redis).
  - **Cross-Platform & Desktop:** **Electron (Desktop), Flutter (Bloc/Riverpod)**, Mobile App Development.
  - **AI & Specialized Tech:** AI Summarization Engines, OCR/AI Readers, NLP, **NFC Chip Integration, 3D Model Implementation**, Semantic Product Search.
  - **Cloud & DevOps:** AWS (EC2, S3, Lambda), Docker, Git, CI/CD Pipelines
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## Professional Experience

**Cofounder & Software Engineer** | **SPIN.FASHION** (US-Based / Remote) | *Jul 2023 – Present*

<https://spin.fashion/>

- **Full-Stack & 3D Architecture:** Engineered high-performance Web, Desktop (Electron), and Mobile applications including interactive **3D model** viewers.
- **Hardware Integration:** Integrated **NFC chip** technology for physical-to-digital product authentication and tracking.
- **Product AI Engines:** Architected a system where every product features a dedicated AI for automated summarization and context-aware interaction.
- **Semantic Search:** Developed cross-product search functionality using complex queries to navigate deep inventories.
- **AI Reader:** Developed an AI reader for metadata processing and automated documentation.

**Cofounder** | **WELEBA Technology** (Addis Ababa, Ethiopia) | *Nov 2025 – Present*

<http://weleba.tech/>

- **Systems Engineering:** Leading the design and implementation of modular enterprise systems for international businesses using **NestJS** and **Next.js**.

- **Technical Strategy:** Managing the full SDLC for high-concurrency backends utilizing **Rust** and **Go** for memory safety and performance.

#### **Founder / Full-Stack Engineer | ZARESHOP /ZENBIL| 2024 – 2025**

<https://zenbil.net/>

- Architected a large-scale e-commerce ecosystem featuring multi-vendor portals and secure payment integrations.
- Managed end-to-end development, delivering advanced frontend user interfaces and scalable backend infrastructure.

#### **Software Engineer | Santsai Corporation | 2024 (Half) – 2025**

<https://santsai.com/>

- Developed enterprise-level solutions and supported backend infrastructure with a focus on high-availability and performance.

#### **Software Engineer | Andinet Solutions | 2023 – 2024**

<https://andinetsolutions.com/>

- Developed and optimized full-stack software solutions using modern JavaScript frameworks and cloud services.

#### **Software Engineer | Move.et | 2021 – 2023**

<https://move.et/>

- Contributed to software development and system architecture for transportation and logistics solutions using Flutter and Node.js.

#### **Software Engineer | Chef Ethiopia | 2020 – 2021**

- Built and maintained digital platforms for food service and delivery, focusing on responsive frontend design and real-time order tracking.

#### **Freelance Software Engineer | Remote | 2020 – Present**

- Delivered a massive variety of custom solutions including e-commerce platforms, mobile apps, specialized tracking tools, and custom CMS platforms.
- Expertly utilized a vast stack including **React**, **Next.js**, **Go**, **Node.js**, **Python**, **Flutter**, **C**, and **Rust**.

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## **Key Projects**

- **Demaq (Audio Editing Tool for Fana B.C.):** Engineered a custom audio editing solution tailored for professional broadcasting workflows at Fana Broadcasting Corporate.
- **AI Avatar (Oromia Tourism Hackathon):** Developed an AI/NLP-driven digital guide providing real-time, conversational tourism assistance.
- **KEY Chain Tracker (C Programming):** Developed a modular asset tracking tool optimized for memory efficiency and hardware interfacing; successfully launched and currently active.

- **Real-time AI Summarization Engine (Rust):** Engineered a high-throughput backend using **Rust (Axum)** and **Tokio** that processes large datasets in under **200ms**, handling **5,000+** concurrent requests.

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## Education

**Bachelor of Science in Software Engineering | Addis Ababa Institute of Technology (AAIT)**  
Graduated 2023