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| **SUMMARY** | |
| Software Engineer with 5+ years of experience in DevOps, cloud-native systems, and fullstack development. Skilled in designing and deploying scalable web applications, CI/CD pipelines, containerized solutions, and AI-powered platforms. Strong academic foundation as an MSc student at Carnegie Mellon University Africa, with hands-on expertise in LLMs, recommender systems, and AI for policy/healthcare data. Recognized for technical leadership, problem-solving, and bridging the gap between business needs and technology. | |
| **EDUCATION** | |
| **Master of Science in** **Information Technology**  *Carnegie Mellon University Africa*  Specializations: Software & Artificial Intelligence | 2023- 2025 |
| **Bachelor of Science in Electrical & Computer Engineering**  *Addis Ababa University*  Specializations: Computer Engineering | 2014- 2019 |
| **PROFESSIONAL EXPERIENCE** | |
| **Research Associate** Jan 2025 – Present*CMU-Africa , Kigali, Rwanda*   * Conducting research on LLM-powered policy and healthcare data analysis. * Designed AI pipelines to process heterogeneous datasets across Africa. * Collaborating with policy experts, researchers, and engineers to create usable AI tools. | |
| **Senior Frontend Developer**  *Better Mobile Security, USA*   * Senior Front-end developer, UI/UX designer * Designed and developed seamless web apps that helped users accomplish their tasks. * Collaborated closely with cross-functional teams, including backend developers and UI/UX designers | 2022- 2023 |
| **Senior Frontend Developer**  *DoubleDice, Belgium*   * I undertook the development of dynamic user interfaces utilizing Web3 technology * Successfully integrated Web3 technology into our projects * Conducted thorough code reviews, identifying potential issues. * Instituted robust quality assurance procedures. | 2021- 2022 |
| **Frontend Developer and UI/UX designer**  *MAD Technologies, Ethiopia*   * I have worked as a front-end developer, UI/UX designer, and WordPress and Webflow developer * Designed and developed seamless web apps that helped users accomplish their tasks. * Utilized a combination of technical ability and creativity to build high-quality and highly functional websites. | 2019- 2021 |
| **PROJECT WORK** | |
| **Vistar Web App (On going)**  *Better Mobile Security, USA*   * **Tools & software**: NextJs, Redux, Ant design, Docker, GitHub Actions * Senior Frontend developer & Tech Lead * Taking full charge of the app & assuming a leadership role. * Developed a comprehensive admin dashboard with various functionalities. * Conducted rigorous code reviews. * Worked closely with UI/UX designers to translate design concepts | 2022- 2023 |
| **DoubleDice Web App (6 months)**  *DoubleDice, Belgium*   * **Tools & software**: NextJs, Web3, Git Workflow, GitHub projects * Senior Frontend developer * Design and develop Web pages. * Implement server side and client rendering. * Actively participated in code reviews and continuous improvement | 2022- 2022 |
| **Jhelly Web App (2 months)**  *Jhelly Group, Spain*   * **Tools & software**: NextJs, React, Redux, TailwindCSS * Senior Frontend developer * Design and implement user-friendly interfaces for the online buy and rental system. * Conducted user experience (UX) design activities.   Implemented best practices and coding standards | 2021- 2021 |
| **IoT Based Garbage Monitoring System (5 Months)**  *Addis Ababa University, Ethiopia*   * **Tools & software**: Arduino, C++, Wi-Fi Module, Xampp * I spearheaded the design, implementation, and integration of hardware components using Arduino, Wi-Fi modules, and XAMPP web server. * Designed and implemented an IoT-based Garbage Monitoring System * Integrated Arduino microcontroller, Wi-Fi module, and XAMPP web server. | 2019- 2019 |
| **Text independent speaker recognition & Identification system (5 Months)**  *Addis Ababa University, Ethiopia*   * **Tools & software**: Machine Learning, Python * We achieved noteworthy accuracy rates in speaker identification. * Tailored the speaker recognition system for forensic applications. * Implemented a user-friendly interface that allowed users to upload voice samples and perform tests | 2018- 2019 |
| **SKILLS & CERTIFICATIONS** | |
| * JavaScript, Web3, C++, Java, GraphQL --- **Advanced** * CMS (WordPress, Webflow, Strapi) ---**Expert** * CI/CD --- **Intermediate** * UI/UX (Adobe XD, Figma) --- **Expert** | |
| **INTERESTS & ACHIEVEMENTS** | |
| * Frontend Lead * Software Designer & Architecture | |

Portfolio: [brhane-giday.vercel.app](file:///C:\Users\brhan\OneDrive\Documents\Works\brhane-portfolio\public\documents\brhane-giday.vercel.app)