

## 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

<b>Master of Science in Information Technology</b> <i>Carnegie Mellon University Africa</i> Specializations: Software & Artificial Intelligence	2023- 2025
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<b>Bachelor of Science in Electrical &amp; Computer Engineering</b> <i>Addis Ababa University</i> Specializations: Computer Engineering	2014- 2019
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## PROFESSIONAL EXPERIENCE

<b>Research Associate</b> <i>CMU-Africa , Kigali, Rwanda</i>	Jan 2025 – Present
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- 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.

<b>Senior Frontend Developer</b> <i>Better Mobile Security, USA</i> <ul style="list-style-type: none"><li>• Senior Front-end developer, UI/UX designer</li><li>• Designed and developed seamless web apps that helped users accomplish their tasks.</li><li>• Collaborated closely with cross-functional teams, including backend developers and UI/UX designers</li></ul>	2022- 2023
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<b>Senior Frontend Developer</b> <i>DoubleDice, Belgium</i> <ul style="list-style-type: none"><li>• I undertook the development of dynamic user interfaces utilizing Web3 technology</li><li>• Successfully integrated Web3 technology into our projects</li><li>• Conducted thorough code reviews, identifying potential issues.</li><li>• Instituted robust quality assurance procedures.</li></ul>	2021- 2022
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<b>Frontend Developer and UI/UX designer</b> <i>MAD Technologies, Ethiopia</i> <ul style="list-style-type: none"><li>• I have worked as a front-end developer, UI/UX designer, and WordPress and Webflow developer</li><li>• Designed and developed seamless web apps that helped users accomplish their tasks.</li><li>• Utilized a combination of technical ability and creativity to build high-quality and highly functional websites.</li></ul>	2019- 2021
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PROJECT WORK	
<b>Vistar Web App (On going)</b> <i>Better Mobile Security, USA</i> <ul style="list-style-type: none"> <li>• <b>Tools &amp; software:</b> NextJs, Redux, Ant design, Docker, GitHub Actions</li> <li>• Senior Frontend developer &amp; Tech Lead</li> <li>• Taking full charge of the app &amp; assuming a leadership role.</li> <li>• Developed a comprehensive admin dashboard with various functionalities.</li> <li>• Conducted rigorous code reviews.</li> <li>• Worked closely with UI/UX designers to translate design concepts</li> </ul>	2022- 2023
<b>DoubleDice Web App (6 months)</b> <i>DoubleDice, Belgium</i> <ul style="list-style-type: none"> <li>• <b>Tools &amp; software:</b> NextJs, Web3, Git Workflow, GitHub projects</li> <li>• Senior Frontend developer</li> <li>• Design and develop Web pages.</li> <li>• Implement server side and client rendering.</li> <li>• Actively participated in code reviews and continuous improvement</li> </ul>	2022- 2022
<b>Jhelly Web App (2 months)</b> <i>Jhelly Group, Spain</i> <ul style="list-style-type: none"> <li>• <b>Tools &amp; software:</b> NextJs, React, Redux, TailwindCSS</li> <li>• Senior Frontend developer</li> <li>• Design and implement user-friendly interfaces for the online buy and rental system.</li> <li>• Conducted user experience (UX) design activities.</li> </ul> <p>Implemented best practices and coding standards</p>	2021- 2021
<b>IoT Based Garbage Monitoring System (5 Months)</b> <i>Addis Ababa University, Ethiopia</i> <ul style="list-style-type: none"> <li>• <b>Tools &amp; software:</b> Arduino, C++, Wi-Fi Module, Xampp</li> <li>• I spearheaded the design, implementation, and integration of hardware components using Arduino, Wi-Fi modules, and XAMPP web server.</li> <li>• Designed and implemented an IoT-based Garbage Monitoring System</li> <li>• Integrated Arduino microcontroller, Wi-Fi module, and XAMPP web server.</li> </ul>	2019- 2019
<b>Text independent speaker recognition &amp; Identification system (5 Months)</b> <i>Addis Ababa University, Ethiopia</i> <ul style="list-style-type: none"> <li>• <b>Tools &amp; software:</b> Machine Learning, Python</li> <li>• We achieved noteworthy accuracy rates in speaker identification.</li> <li>• Tailored the speaker recognition system for forensic applications.</li> <li>• Implemented a user-friendly interface that allowed users to upload voice samples and perform tests</li> </ul>	2018- 2019
SKILLS & CERTIFICATIONS	
<ul style="list-style-type: none"> <li>• JavaScript, Web3, C++, Java, GraphQL --- <b>Advanced</b></li> <li>• CMS (WordPress, Webflow, Strapi) ---<b>Expert</b></li> <li>• CI/CD --- <b>Intermediate</b></li> <li>• UI/UX (Adobe XD, Figma) --- <b>Expert</b></li> </ul>	

INTERESTS & ACHIEVEMENTS
<ul style="list-style-type: none"><li>• Frontend Lead</li><li>• Software Designer &amp; Architecture</li></ul>



Portfolio: [brhane-giday.vercel.app](https://brhane-giday.vercel.app)