

DANIEL DESTAW

☎ [+251- 988886692] | ✉ [dan.destaw@gmail.com] | [🌐 linkedin.com/in/daniel-destaw-a92700300](https://www.linkedin.com/in/daniel-destaw-a92700300)
✉ [daniel.destaw@wegagenbanksc.com.et]

SKILLS

- C, Java (Spring Boot/Native, JUnit), Python, Ruby, C#, JavaScript, Git, Rails, GraphQL, SQL, Assembly
- Operating Systems, Microservices, Backend, AWS, iOS/Android App Development, Agile, Docker, Flask

WORK EXPERIENCE

Wegagen International Bank: *Junior Cyber Security Officer*

03/2023 – Present

- **Security Monitoring:** Monitor the bank's networks, systems, and applications for any suspicious activities or security breaches. Use security tools, such as SIEM (Security Information and Event Management) systems, to identify and respond to security incidents in a timely manner.
- **Incident Response:** Participate in incident response activities, including investigating security incidents, analyzing the impact, and implementing appropriate containment and mitigation measures. Document and report incidents to higher-level security personnel for further analysis and resolution.
- **Vulnerability Management:** Assist in conducting regular vulnerability assessments and penetration tests to identify weaknesses in the bank's infrastructure and applications. Collaborate with the IT team to remediate vulnerabilities and ensure that appropriate security patches and updates are applied.

Quantum technology plc: *Full-Stack Engineering*

08/2021 – 03/2023

- **Application Development:** Design, develop, and maintain web applications using CodeIgniter, a PHP framework. Collaborate with cross-functional teams, including front-end developers, back-end developers, and designers, to create robust and scalable solutions.
- **Front-end Development:** Implement user interfaces and ensure a seamless user experience by translating design mockups into responsive and interactive web pages. Utilize HTML, CSS, JavaScript, and related front-end technologies to build intuitive and visually appealing interfaces.
- **Back-end Development:** Build server-side logic and databases to support the functionality of web applications. Develop APIs and web services to facilitate data exchange between the front-end and back-end components. Utilize PHP and CodeIgniter's MVC architecture to create efficient and secure server-side solutions.

Information Network Security Agency(Government agency): *Malware Analyst*

09/2021 – 06/2022

- **Malware Analysis:** Analyze and dissect malicious software (malware) to understand its behavior, capabilities, and potential impact. Identify the malware's infection vectors, propagation methods, and techniques used to evade detection.
- **Reverse Engineering:** Reverse engineer malware samples to extract valuable information, such as command-and-control (C2) infrastructure, communication protocols, encryption mechanisms, and any vulnerabilities exploited by the malware.
- **Research and Development:** Conduct research and development activities to enhance malware analysis capabilities, such as developing new tools, techniques, or automation scripts to improve efficiency and effectiveness.

ICog Lab: *Machine Learning Computer Vision Intern*

02/2020 – 08/2021

- **Data Preparation:** Collecting, cleaning, and preprocessing image and video datasets for computer vision tasks. This may involve data annotation, augmentation, and quality control.
- **Algorithm Development:** Collaborating with the team to develop and implement machine learning algorithms and computer vision techniques using OpenCV. This could include tasks like image classification, object detection, facial recognition, or motion tracking.
- **Model Training and Evaluation:** Assisting in training and fine-tuning machine learning models using OpenCV's APIs and frameworks like TensorFlow or PyTorch. Evaluating model performance, conducting experiments, and analyzing results.

Iceaddis: *Software Development Engineer Intern*

06/2017 – 09/2021

- **Software Development:** Collaborate with the development team to design, develop, and maintain software applications. This includes coding, testing, debugging, and documenting software components.
- **Front-end Development:** Work on the client-side of web or mobile applications, implementing user interfaces using technologies such as HTML, CSS, and JavaScript. Ensure a responsive and intuitive user experience.
- **Database Design and Management:** Design and optimize database schemas, queries, and indexes for efficient data storage and retrieval. Work with relational databases like MySQL, PostgreSQL, or MongoDB.
- **Back-end Development:** Develop server-side logic and APIs to support the functionality of web or mobile applications. Utilize frameworks and technologies such as Node.js, Django, Ruby on Rails, or Flask.

Excellent solutions :Backend Developer Intern

01/2017 – 04/2019

- **Backend Application Development:** Collaborate with the development team to design, develop, and maintain backend applications and systems. This includes writing code, implementing business logic, and ensuring the scalability and performance of the applications.
- **API Development:** Design and develop RESTful APIs or other types of interfaces to enable communication between the frontend and backend systems. Implement API endpoints and define data structures for efficient data exchange.
- **Server-Side Programming:** Write server-side logic using programming languages like Python, Java, Node.js, or Ruby. Implement algorithms, handle business logic, and integrate with third-party services or APIs.

Health Hub: *Founder/CEO(Startup Company)*

05/2017 – Present

- **Vision and Strategy:** Define the vision, mission, and strategic direction of Health Hub. Set goals and objectives for the company's growth and success in the software engineering and healthcare domains.
- **Team Building and Management:** Recruit, hire, and manage a team of software engineers, designers, and other professionals. Foster a positive and collaborative work environment, provide mentorship, and encourage professional growth within the team.
- **Stakeholder Engagement:** Engage with healthcare professionals, stakeholders, and potential clients to understand their needs and requirements. Build relationships and partnerships with healthcare organizations, technology vendors, and industry experts to drive collaboration and business opportunities.

ViolationTracker: *Founder/CEO(Security Startup Company)*

03/2021 – Present

- **Data Collection and Model Training:** Collect relevant security data and train machine learning models. Process and analyze the data to improve the performance and accuracy of the models.

- **Front-End Development:** Design and implement user interfaces for ViolationTracker. Ensure the front-end is intuitive, visually appealing, and provides a seamless user experience.
- **Sales and Business Development:** Identify potential clients and customers for ViolationTracker. Pitch and promote the software solutions to generate sales and revenue.

PROJECT

ViolationTracker - Security User Entity Behavior Analysis and Policy Violation

Developed a security software solution called ViolationTracker to analyze user entity behavior and detect policy violations within organizations. The project aimed to enhance security measures and ensure compliance in sensitive data

- **Role:** Founder/CEO and Sole Developer
- **Responsibilities:**
 - Designed and developed the entire software solution, including data collection, machine learning model training, and front-end development.
 - Implemented data collection methods to gather relevant security data and improve the accuracy of the machine learning models.
 - Built intuitive and visually appealing user interfaces to provide a seamless user experience.
 - Managed all aspects of the project, including strategic planning, financial management, and customer support.

Health Hub - Appointment Scheduling and Payment Android App

Developed an Android application called Health Hub using Flutter framework. Health Hub aimed to streamline the process of scheduling doctor appointments and facilitating secure online payments for healthcare services.

- **Role:** Founder/CEO and Lead Developer
- **Responsibilities:**
 - Led the development of the Health Hub Android app using Flutter framework, ensuring a smooth and intuitive user experience.
 - Designed and implemented the appointment scheduling feature, allowing users to browse and book appointments with doctors based on their availability.
 - Integrated secure payment gateways to facilitate online payments for healthcare services, ensuring data privacy and security.
 - Collaborated with a team of developers and designers to create a visually appealing and user-friendly interface.

Facial Recognition Exit and Entry Controlling System

Developed an exit and entry controlling system utilizing facial recognition technology. The system aimed to enhance security measures by accurately identifying individuals and providing access control based on facial biometrics.

- **Responsibilities:**
 - Integrated the MTCNN (Multi-task Cascaded Convolutional Networks) algorithm for facial detection, alignment, and feature extraction.
 - Manipulated images using MTCNN to detect and extract facial landmarks and features necessary for accurate recognition.
 - Developed and curated a comprehensive dataset of facial images for training the facial recognition model.
 - Trained the facial recognition model using deep learning techniques, such as convolutional neural networks (CNNs) or similar architectures.
 - Fine-tuned the model to optimize accuracy and minimize false positives and false negatives.

- Integrated the trained facial recognition model into the exit and entry controlling system's back-end, enabling real-time recognition and access control.

EDUCATION

Wollo University || kombolcha institute of technology, kombolcha

August 2016 – May 2021

B.S. software Engineering, Certificate: Mathematics

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Machine Organization and Programming, Artificial Intelligence, Mobile App Development, Software Engineering, User Experience/User Interfaces, Object-Oriented Programming