

## PERSONAL INFORMATION

### Henok Ergana Selato

 Via Addis Abeba, 14, 13900 Biella, Italy

 +393512566038

 ergana.henok@gmail.com

 Skype: iknock.ergana

Linkedin: <https://www.linkedin.com/in/henok-ergana-78a8bb69/>

Github: <https://github.com/iKnock?tab=repositories>

Website: <https://iknock-portfolio.herokuapp.com/>

Sex Male | Date of birth 26/8/1987 | Nationality Ethiopian

## WORK EXPERIENCE

16/7/2018 – Present **Software Developer (Consultant)**  
Amaris Consulting currently working on Identity and Access Management System (OpenAM) for Banca Sella

International Consulting Company

1/3/2014 – 11/9/2015 **Freelance Application Developer and Start-up Entrepreneur**

Internet Venture and Development

16/6/2010-25/2/2014 **Java EE Developer**

Information Network Security Agency (<http://www.insa.gov.et/>) Addis Ababa, Ethiopia

Governmental and Enterprise software provider

15/9/2009- 3/6/2010 **Programmer**

Lt Software Engineering (<http://www.ltechnogroup.com/>) Addis Ababa, Ethiopia

Computer Solution provider

## EDUCATION AND TRAINING

September 2015 – February 2019 **Master of Science in Computer Engineering**

Università di Pisa

September 2006 – September 2009

**B.Sc in Information and Communication Technology**

Admas University College, Addis Ababa, Ethiopia

## PERSONAL SKILLS

Mother tongue(s) Amharic

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	B2

**MapDataCrawler**

Is an Application to fetch data from Open street map by consuming the read only Overpass API. Basically, using this App, a user can do the following things

1. Can partition or make grid to a certain geographical area (a rectangle on a map) according to user provided inputs (the four corners of the rectangle and width of square box for the grid).
2. Fetch data describing each box (Grid) from Open street map using the read only Overpass API
3. Preprocess and store the fetched data in appropriate way
4. Present the result

Technology used for this project are

- HTML5
- bootstrap.js
- Angular.js
- Turf.js
- ploty.js
- leaflet.js
- Node.js
- Overpass API
- query-overpass npm
- MongoDB
- Mongoddb npm

Project: <https://iknock.github.io/MapDataCrawler/>

**VCS-Unipi (Visitor check in system)**

This system is developed for a term project of the course in title "*concurrent and distributed systems*". The project is Distributed multithreaded application which uses the Java EE 7 framework. The idea is to create and manage a system that handles visitor's check-In (Entrance) to a certain compound (university, research center, security firm or else...) in a distributed manner which consists of different actors like security personnel at the gate, the visitor, the inviter (who invite the visitor), the security Guard supervisors who are accessing the system from different places (Computers) with different authorization level. The system is web-based so that users of the system which are located at different nodes can access the system seamlessly.

Technology used

- Java server pages (JSP)
- Servlet
- Enterprise java beans (EJB)
- Java persistence technology (JPA)
- JAAS
- Mysql
- Glassfish Application Server

Project: <https://iknock.github.io/vcs-unipi/>

**Food and Beverage Management system for Tithas International Hotel Adama, Ethiopia**

The project is developed to manage and control the consumption, purchase and sales of food and beverage related items of the hotel. The user of the system can easily identify how much ingredient is used to prepare a certain food, can easily generate cost for the product or calculate profit of the hotel from food and beverage sales. The application also generates timely reports and a profit cost graph for good user experience.

- HTML5
- Angularjs
- RESTfull service with Nodejs
- Mysql

### **Tech-Maternal Care Mobile Application (For African Android Challenge 2014)**

It is a mHealth mobile app to handle pregnancy follow-up in an easy and effective manner. The application calculates the gestational age (GA) and Expected date of delivery (EDD) of a pregnant mother both in Ethiopian and Gregorian calendar. The Android app (build using PhoneGap) can be installed and run on any android device (tablet and phone) having an android version 2.3 and above

**Note:** The application is developed to participate in the African Android Challenge 2014 and not uploaded to Google play store. Technology used for this project are

- HTML5
- CSS3
- JS, JQuery
- phonegap

Video Url: [https://www.youtube.com/watch?v=0ikdjXNf\\_u4](https://www.youtube.com/watch?v=0ikdjXNf_u4)

### **Addis Essentials Mobile Application (For African Android Challenge 2014)**

This project aims to develop an android mobile application which provides its users the most essential phone in the city of Addis. The application has categories like hospitals, fire brigade stations, Mass Medias, Police and the likes which hold list of phone numbers of different organizations and their branches. The app runs on any android device (tablet and phone) having an android version 2.3 and above. Technology used for this project is

- Native Android SDK

Video Url: [https://www.youtube.com/watch?v=ooc3G6Qhi\\_U&feature=youtu.be](https://www.youtube.com/watch?v=ooc3G6Qhi_U&feature=youtu.be)

### **Mugher Cement Factory Enterprise Business Process Automation of Sales and Marketing module**

The goal of the project is to digitize the manual work done by a certain sales officer. Customer registration, Invoice preparation and delivery follow-up are some of the major functionalities of the application which is deployed at four different locations inside the country. The project is integrated with other different modules that handle the financial, stock, production, and Human resource tasks of the organization. In addition, this module is also integrated with the National standard system for Point of Sale (POS) which is provided by other third-party organizations.

- JSF
- JPA
- Oracle10g

### **Swine Farm Management System for Prime farm PLC**

The project is developed to manage and follow the breeding as well as the life cycle of a swine. The project automates the process of recording the life cycle of the swine starting from breeding room up to slaughtering room. Moreover, using the system one can generate timely reports.

- HTML
- CSS
- JS, JQuery
- Php
- Mysql

### **Transportation Management System for Akakas Logistics PLC**

The project is developed to manage the vehicles and the operations made by the vehicles of the organization. Using the application users can manage the fuel, spare parts or the item loaded on the vehicle using the application's easy to use interfaces.

- HTML
- CSS
- JS
- Php
- Mysql

#### Certificates

- Udemy - Node JS: Advanced Concepts
- Udemy - Identity and Access management (IAM)
- Udemy - React- The Complete Guide (incl Hooks, React Router, Redux)
- Udemy - Learn Linux in 5 Days and Level Up your Career
- Udemy - Bootstrap 4 From Scratch With 5 projects

#### Seminars/ Conferences

- G-Ethiopia(Google Ethiopia) 2012 <https://sites.google.com/site/gethiopia2012/>
- Oracle Day Ethiopia 2014  
<https://eventreg.oracle.com/profile/web/index.cfm?PKWebId=0x450121ee7>
- Stunting Reduction- Nutrition and Beyond for Solution Addis Ababa Ethiopia 2014
- Green Innovation Boot-camp 2014 <http://www.iceaddis.com/folio/green-innovation-bootcamp/>