

## PERSONAL INFORMATION

### Henok Ergana Selato

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

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

## Projects

**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
- Mongodb 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**

- 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**

- JSF
- JPA
- Oracle10g

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

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

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

- HTML
- CSS
- JS
- Php
- Mysql

### **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/>