

Mael Elvis FOSSO NGUETCHUESSI

SOFTWARE ENGINEER · ARTIFICIAL INTELLIGENCE/MACHINE LEARNING ENGINEER

Bonaberi, Douala, Cameroon

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“Discipline and commitment is a pathway to reach goals and dreams..”

Work Experience

GitStart, Remote

San Francisco, Californie, USA

SOFTWARE ENGINEER

May 2021 - Present

- Opine
- Vivoo
- Trophy
- Cal.com
- Twenty
- Directus
- Spellbound
- **Tools:** Javascript - React.js - Vue.js - Next.js - Ruby - Ruby on Rails

Clora, Remote

Boston, Massachausetts, USA

SOFTWARE ENGINEER

March 2022 - January 2023

- Contributed in fixing bugs in Ruby on Rails and React.js
- Contributed in the re-implementation of the Onboarding process in Ruby on Rails and React.js
- Implemented some feature interacting with Coresignal API - Sovren (Resume Parsing) in Ruby on Rails
- Implemented some data science process with Python
- **Tools:** Javascript - React.js - Ruby - Ruby on Rails - Python - Scikit Learn

Skillz, Remote

San Francisco, Californie, USA

SOFTWARE ENGINEER

August 2021 - January 2022

- Contributed in the implementation of web features for international project in Ruby on Rails and React.js
- Involved in the planning of the FastMatch features collaborating with the Product and Engineering teams to understand the overall goals intended to achieve building the features.
- Implemented several features in Nx Framework
- Involved on bug fixing from cloud component detected when implementing some features
- **Tools:** Javascript - React.js - Nx - Ruby - Ruby on Rails

Microverse, Remote

San Francisco, Californie, USA

TECHINICAL SUPPORT ENGINEER

March 2019 - November 2020

- Reviewing students projects HTML 5/CSS 3, Ruby, Ruby on Rails, Javascript, React.js
- One to one meeting with students to help them to improve their projects
- **Tools:** Javascript - React.js - Node.js - Ruby - Ruby on Rails

ITS-NH

Yaounde, Centre, Cameroon

SOFTWARE ENGINEER

June 2019 - January 2020

- Built a hybrid mobile application using Flutter.
- Built a API layer of a web application using Django.
- Design of the BI architecture for the Financial App Department.
- **Tools:** Dart - Flutter - Python - Django - Pentaho

EGPAF Cameroon

Yaounde, Centre, Cameroon

DATA ANALYST

August 2018 - December 2018

- Contributed in data verification and validation and implemented the corresponding SOP.
- Collected and transferred data periodically after cleaning and transforming them.
- Analyzing data for the manager to ease their presentation.

N'KAP SI SARL

Yaounde, Centre, Cameroon

CO-FOUNDER, LEAD SOFTWARE ENGINEER

August 2017 - July 2018

- Setting up of automatic data collection concerning the needs of users mentioned on social networks.
- Building a machine learning model for taxi price prediction - Integration on the N'kap Si platform.
- Building of the N'Kap Si platform.
- N'kap Si Android application (play.google.com/store/apps/details?id=com.nkapsi) already available on Play Store.
- **Tools:** Docker - Android - Angular - Node.js - MongoDB - RabbitMQ - Python - Tensorflow

Centre Pasteur du Cameroun

DATA ANALYST, SOFTWARE ENGINEER

- Implementation and Management of a data collection system based on smartphones.
- Built platform for surveillance epidemiological using on R, R-Shiny, Java for backend, MongoDB.
- Monitored and managed of data collected via smartphones.
- Data Quality Assurance and Periodic Activity Report.
- Development of data analysis scripts on R.
- Participation in the development of an automatically updated dashboard and offering pre-defined analyzes.
- Built ETL with Pentaho for integrating several databases into one and running at regular time intervals.
- **Tools:** Angular - Node.js - MongoDB - Java - R - R Shiny - Python - Apache Spark - D3.js - Pentaho

Yaounde, Centre, Cameroon

August 2015 - March 2018

Express Exchange S.A.

BUSINESS INTELLIGENCE CONSULTANT

- Optimisation of the BI platform previously built

Douala, Littoral, Cameroon

September 2014 - August 2015

Orange Cameroon S.A.

BUSINESS INTELLIGENCE DEVELOPER

- Created and provisioned of dashboards for the customers departements.
- Optimized of existing dashboards using QlikView.

Douala, Littoral, Cameroon

September 2014 - August 2015

Express Exchange S.A.

BUSINESS INTELLIGENCE CONSULTANT

- Proposed a BI platform to the company.
- Gathered the business need for a BI system.
- Built a data warehouse and a Business Intelligence system.
- **Tools:** Microsoft BI Stack - Python - Apache Spark - D3.js

Douala, Littoral, Cameroon

September 2014 - August 2015

Programme National de Lutte contre la Tuberculose (PNLT)

DATA ENTRY

- Entered data collected through CSPro application.

Yaounde, Centre, Cameroon

June 2013 - July 2013

Online Courses

EDX

- 2022 **AWS Community Builder (Container)**, Amazon Web Services (AWS)
- 2022 **HashiCorp Ambassador**, HashiCorp

UDACITY

- 2021 **2nd Place**, AWS ASEAN AI/ML GameDay Online
- 2020 **Finalist**, DEFCON 28th CTF Hacking Competition World Final Las Vegas, U.S.A
- 2018 **Finalist**, DEFCON 26th CTF Hacking Competition World Final Las Vegas, U.S.A
- 2017 **Finalist**, DEFCON 25th CTF Hacking Competition World Final Las Vegas, U.S.A
- 2014 **Finalist**, DEFCON 22nd CTF Hacking Competition World Final Las Vegas, U.S.A
- 2013 **Finalist**, DEFCON 21st CTF Hacking Competition World Final Las Vegas, U.S.A
- 2011 **Finalist**, DEFCON 19th CTF Hacking Competition World Final Las Vegas, U.S.A
- 2012 **6th Place**, SECUINSIDE Hacking Competition World Final Seoul, S.Korea

COURSERA

- 2021 **2nd Place**, AWS Korea GameDay Seoul, S.Korea
- 2015 **3rd Place**, WITHCON Hacking Competition Final Seoul, S.Korea
- 2017 **Silver Prize**, KISA HDCON Hacking Competition Final Seoul, S.Korea
- 2013 **Silver Prize**, KISA HDCON Hacking Competition Final Seoul, S.Korea
- 2013 **2nd Award**, HUST Hacking Festival S.Korea
- 2010 **3rd Award**, HUST Hacking Festival S.Korea
- 2012 **3rd Award**, Holyshield 3rd Hacking Festival S.Korea
- 2011 **2nd Award**, Holyshield 3rd Hacking Festival S.Korea
- 2011 **5th Place**, PADOCON Hacking Competition Final Seoul, S.Korea

UDEMY

- 2022 **AWS Community Builder (Container)**, Amazon Web Services (AWS)
- 2022 **HashiCorp Ambassador**, HashiCorp

PIRPLE

- 2022 **AWS Community Builder (Container)**, Amazon Web Services (AWS)
- 2022 **HashiCorp Ambassador**, HashiCorp

MONGODB

- 2022 **AWS Community Builder (Container)**, Amazon Web Services (AWS)
- 2022 **HashiCorp Ambassador**, HashiCorp

Skills

Machine Learning	Tensorflow v2, Keras, Scikit-Learn, XGBoost, Statsmodel
DevOps	AWS, Docker, Kubernetes, CircleCI
Back-end	Ruby on Rails, Express, Mux, REST API
Front-end	Javascript, Redux, React, Vue.js, Angular, Tailwind, HTML5, LESS, SASS
Programming	Node.js, Golang, Ruby, Python, Kotlin, LaTeX
Languages	French, English

Certificates

- 2022 **Certified Associate in Python Programming (PCAP)**, Python Institute
- 2022 **Certified Entry-Level Python Programmer (PCEP)**, Python Institute
- 2021 **Certified Kubernetes Administrator (CKA)**, The Linux Foundation
- 2021 **Certified Kubernetes Application Developer (CKAD)**, The Linux Foundation

Presentation

DevFest Yaounde by Google Developer Group Yaounde

Yaounde, Cameroon

PRESENTER FOR <MACHINE LEARNING WITH TENSORFLOW>

November 2018

- Presented the architecture of N'Kapsi.
- Presented the different problems encountered at N'Kapsi.
- Presented how the taxi price has been solved using Machine Learning
- Presented the improved architecture with Machine Learning micro-services connected using RabbitMQ
- Video (5 min) of the presentation <https://youtu.be/grkGhDYr5KE>

DevFest Douala by Google Developer Group Douala

Douala, Cameroon

PRESENTER FOR <IMPLEMENTING AN IA/ML PROJECT>

February 2018

- Small introduction of the history of IA/ML
- Presented What make the IA possible in big companies
- Discussed about the most important things for IA: Data
- What to do when we have everything needed

DevFest Yaounde by Google Developer Group Yaounde

Yaounde, Cameroon

PRESENTER FOR <HOW WE USE MACHINE LEARNING AT NKAPSI FOR PREDICTING TAXI PRICE>

December 2017

- Introduced the history of Machine Learning.
- Presented Machine Learning with Tensorflow.
- How Tensorflow is used in a Machine Learning project.

Writing

Minimal web application architecture for easy future scalability with Nginx SSL configuration

Medium

WRITER

November 2020

Make your angular app accessible remotely during the development

Medium

WRITER

August 2022

Education

University of Yaounde I

MASTER, LEVEL I IN COMPUTER SCIENCE

- Machine Learning
- Data mining, Data warehousing, Multidimensional statistic, Regression
- Database, Software engineering
- Algorithmic, Complexity
- Computer Network, Operating System

Yaounde, Cameroon

October 2012 - June 2013

University of Yaounde I

BACHELOR IN COMPUTER SCIENCE

- Optimisation and Linear Programming
- Operation Research
- Web Application Web, JEE, XML
- Database, Software Engineering
- Algorithmic, Complexity
- Network and Operating System

Yaounde, Cameroon

October 2008 - June 2011