Maël Elvis **FOSSO NGUETCHUESSI**

SOFTWARE ENGINEER · ARTIFICIAL INTELLIGENCE/MACHINE LEARNING ENGINNER

Bonaberi, Douala, Cameroon

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"Discipline and commitment is a pathway to reach goals and dreams.."

Work Experience

GitStart, Remote
SOFTWARE ENGINEER

San Francisco, Californie, USA

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
SOFTWARE ENGINEER

Boston, Massachausetts, USA

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
SOFTWARE ENGINEER

San Francisco, Californie, USA

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
TECHINICAL SUPPORT ENGINEER

San Francisco, Californie, USA

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
SOFTWARE ENGINEER

Yaounde, Centre, Cameroon

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
DATA ANALYST

Yaounde, Centre, Cameroon

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
CO-FOUNDER, LEAD SOFTWARE ENGINEER

Yaounde, Centre, Cameroon

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 *Yaounde, Centre, Cameroon*

Data Analyst, Software Engineer *August 2015 - March 2018*

- 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

Express Exchange S.A. *Douala, Littoral, Cameroon*

Business Intelligence Consultant *September 2014 - August 2015*

- Optimisation of the BI platform previously built

Orange Cameroon S.A. *Douala, Littoral, Cameroon*

Business Intelligence Developer *September 2014 - August 2015*

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

Express Exchange S.A. *Douala, Littoral, Cameroon*

Business Intelligence Consultant *September 2014 - August 2015*

- 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

Programme National de Lutte contre la Tuberculose (PNLT) *Yaounde, Centre, Cameroon*

Data Entry *June 2013 - July 2013*

- Entered data collected thought CSPro application.

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

Skills

Deep Learning	Tensorflow v2, Keras, Pytorch, HuggingFace
Machine Learning with Python	Scikit-Learn, XGBoost, Statsmodel
Machine Learning with R	caret, KMeans, Rpart, randomForest, dplyr, ggplot2, R-Shiny
Business Intelligence/Data Analysis	Pentaho, MSSIS, MSSAS, Power BI, Tableau
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

Online Courses

Udemy

2024	**Learn LangChain: Build LLM Apps using OpenAI & Llama 2**, Course	*Online*
2024	**LlamaIndex- Develop LLM powered applications with LlamaIndex**, Course	*Online*
2023	**Learn LangChain, Pinecone & OpenAI Build Next-Gen LLM Apps**, Course	*Online*
	Spark and Python for Big Data with PySpark, Course	*Online*
	Docker Mastery with Kubernetes, Docker Swarm, Course	*Online*

EDX

2024	**Data Science: Capstone (In progress)**, HavardX
2023	**Data Science: Machine Learning**, HavardX
2023	**Data Science: Linear Regression**, HavardX
2023	**Data Science: Wrangling**, HavardX
2023	**Data Science: Productivity Tools**, HavardX
2023	**Data Science: Inference and Modeling**, HavardX
2022	**Data Science: Probability**, HavardX
2022	**Data Science: Visualization**, HavardX
2022	**Data Science: R Basics**, HavardX

Coursera

May 2019	**Convolutional Neural Network in Tensorflow**, TensorFlow Developer Professional Certificate	*deeplearning.ai*
May 2019	**Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning**, TensorFlow Developer Professional Certificate	*deeplearning.ai*
Mar 2018	**Convolutional Neural Networks**, Deep Learning Specialization	*deeplearning.ai*
Oct 2017	**Improving Deep Neural Network: Hyperparameter Tuning, Regularization**, Deep Learning Specialization	*deeplearning.ai*
Oct 2017	**Structuring Machine Learning Project**, Deep Learning Specialization	*deeplearning.ai*
Sept 2017	**Neural Network and Deep Learning**, Deep Learning Specialization	*deeplearning.ai*
Sept 2017	**Introduction to Big Data**, Specialization	*UC San Diego*

Udacity

| Jan 2020 | **Deep Learning**, Nanodegree | *Udacity* |
| Dec 2019 | **AI Programming with Python**, Nanodegree | *Udacity* |

Pirple

| | **Data Mining with Python, Scikit-learn, Spark, Pyspark**, Course |

MongoDB

Sept 2019	**MongoDB Performance**, Course	*MongoDB University*
Sept 2019	**Data Modeling**, Course	*MongoDB University*
Aug 2019	**Basic Cluster Administration**, Course	*MongoDB University*
Aug 2019	**The MongoDB Aggregation Framework**, Course	*MongoDB University*
July 2019	**MongoDB Basics**, Course	*MongoDB University*

Presentation

DevFest Yaounde by Google Developer Group Yaounde *Yaounde, Cameroon*

PRESENTER FOR <MACHINE LEARNING WITH TENSORFLOW> *November 2018*

- Presented the architecture of NKap Si.
- Presented the different problems encountered at NKap Si.
- 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 202

Education

University of Yaounde I

Yaounde, Cameroon

MASTER, LEVEL I IN COMPUTER SCIENCE

October 2012 - June 2013

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

University of Yaounde I

Yaounde, Cameroon

BACHELOR IN COMPUTER SCIENCE

October 2008 - June 2011

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