JEMEA LADY LIMUNGA

SENIOR SOFTWARE ENGINEER/IT ENGINEER

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Professional Profile

I am a dedicated and skilled Data Scientist with a solid background in Software Engineering and Data Engineering. Holding a B.Tech in Software Engineering and an MSc in Computer Science, I have over 5 years of experience in the field. My expertise includes building data pipelines, developing machine learning models, and leveraging AI for valuable insights. My proficiency spans across multiple programming languages including Python, Go, C#, and TypeScript, and I am adept at using data science tools such as Pandas, Numpy, TensorFlow and PyTorch. I am passionate about creating robust solutions and working on projects that deliver significant value to businesses and the public sector.

Beyond my technical skills, I am deeply committed to continuous learning and professional development. I have taken several courses in data science and analytics, which have honed my ability to stay at the forefront of technological advancements. My role as a mentor and instructor in various educational initiatives reflects my dedication to knowledge sharing and community involvement.

In my most recent roles, I have led the development of intelligent solutions for supply chain management, space weather prediction models, and sustainable transportation platforms. These experiences have equipped me with a unique perspective on the transformative potential of data and AI in various domains.

Key Skills

- **Data Science & Machine Learning:** Skilled in using Python, TensorFlow, PyTorch for data manipulation, analysis, and machine learning.
- **Data Engineering:** Strong understanding of ETL processes, data warehousing, and MLOps best practices.
- **Cloud Computing:** Proficient with cloud tools such as AWS, Azure, and Google Cloud Platform.
- **Programming:** Experience in Python, Go, C#, SQL, JavaScript.
- **Visualization:** Experience with PowerBI, Tableau, and other data visualization tools.
- **Agile Methodologies:** Experience working in agile and multidisciplinary teams.

Professional Experience

Jul 2022 – Present   **Senior Software Engineer**
Head of Development and Operations
Smartcube Solutions

- Led the development of intelligent solutions to optimize Supply Chain Management processes.
- Developed a collaboration platform using Appfarm's No-Code Technology.
- Utilized machine learning models and MLOps practices for predictive analytics.
- Built robust backend systems using Python and Go, and frontend interfaces with JavaScript.
- Managed hosting and data management on Azure and used MongoDB for databases.

Jun 2019 – Jul 2022   **Senior Software Engineer**
Norwegian Centre for Space Weather (NOSWE)
Tromsø Geophysical Observatory (TGO)

- Collected, analyzed, and communicated findings from various data sources.
- Designed and developed ETL tools and predictive models.
- Utilized Python, Matlab, HTML/CSS, JavaScript, Bash, and AWS for data analysis and visualization.

Nov 2017 – Jun 2019   **Assistant Quality Manager**
Thon Hotels, Tromsø Norway

- Ensured orderliness and maintained a favorable working environment.
- Managed staff recruitment, quality control, and payroll.

Jul 2016 – Sep 2016   **Digital Marketing Intern**
TECNO House - Buea Cameroon

- Managed online marketing campaigns using Facebook.
- Tracked sales and website traffic using Excel and Google Analytics.

Jun 2015 – Sep 2015   **Mobile Application and Web Designer**
BETA Planning - Bamenda Cameroon

- Developed responsive web pages and mobile applications.

Jun 2014 – Sep 2014   **Database Administrator Intern**
Cameroon Telecommunications (CAMTEL) – Limbe Cameroon

- Created and managed MySQL databases, transferring data from paper to digital formats.

Projects

- **SPIR SPIR Collaboration Platform:** Developed a platform for Spare Parts Interchangeability Records using Appfarm, JavaScript, Python, and AWS.
- **Space Weather Analysis Software:** Managed a team to develop predictive software for solar weather impacts.
- **Sustainable Transportation Solutions:** Developed a cloud-native platform for logistics optimization using Python, C#, and TypeScript.
- **E-Health Initiatives:** Developed numerical models for predictive diagnostics in healthcare.

Education

- **MSc. in Computer Science**
  The Arctic University of Norway (University of Tromsø) – Norway

- **B.Tech. in Software Engineering**
  College of Technology, University of Buea – Cameroon

- **Advanced Level Certificate**
  Our Lady of Lourdes College, Mankon Bamenda – Cameroon

- **Ordinary Level Certificate**
  Our Lady of Lourdes College, Mankon Bamenda – Cameroon

Certifications

- Google Data Analytics Professional Certificate
- IBM Data Science Professional Certificate
- Getting Started with Power BI by Coursera
- Machine Learning A-Z by Udemy
- Complete Python 3 Bootcamp by Udemy
- ETL Framework for Data Warehouse Environments by Udemy
- Introduction to Cloud Computing on AWS by Udemy

Languages

- English: Professional Proficiency
- French: Conversational
- Norwegian: Conversational (B1)

Volunteer Work

- **Mentor, Volunteer, and Tutor (Afritech Hub):** Teach Python and Algorithms, mentor students in STEM.
- **Programming Instructor (BIXO Academy):** Conduct Python programming courses.
- **Programming Instructor (LaeCodes):** Offer Programming and Algorithm courses

References

Available on request.