TOMDIEU TCHADIEUKO IVAN GOTTFRIED

Software Engineer

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EXPERIENCE

Backend Developer

Coding Industry Sarl | Remote

📅 07/2024   📍 Remote

- Develop and maintain scalable Restful APIs, integrate third-party systems, optimize database performance, implement server-side logic, collaborate with front-end teams, and ensure reliability through micro-services and containerization
- Contribute to agile workflows, delivering high-quality solutions in Python and JavaScript environments
- Designed and implemented scalable Restful APIs for seamless client-server interaction
- Integrated third-party APIs, enhancing application functionalities and user experience
- Optimized database queries, improving system performance and reducing latency
- Built micro-services architecture for modular and scalable development
- Collaborated with cross-functional teams in an agile environment to deliver high-quality solutions

PROJECTS

FigmaToReact

📅 01/2025 - 06/2025   📍 University of Yaounde 1

🔗 https://github.com/Tomdieu/FigmaToReact

Developed an automated tool that converts Figma designs into React applications, utilizing Model-Driven Architecture and formal model transformations. This project was a significant aspect of my master's research.

- Made using : Eclipse Modeling Framework (EMF), Ecore, Atlas Transformation Language (ATL), OCL, Java, Python, Figma REST API

E-Recruitment CMR

📅 03/2025 - 04/2025   📍 University of Yaounde 1

🔗 https://github.com/Tomdieu/erecruitement-cmr

An electronic recruitment platform for managing job applications, interviews, and the hiring process in Cameroon.

- Made using : Python, Django, Gemini , Analytic Hierarchy Process , Genetic Algorithm

OngolaPhone

📅 07/2024 - 10/2024   📍 Yaounde

🔗 https://ongolaphone.com/

OngolaPhone is a platform for mobile device services

- Made using : Python, Django, Vite , React

Wiki culture

📅 01/2024 - 06/2024   📍 University of Yaounde 1

🔗 https://github.com/Tomdieu/wikiculture

Wiki Culture is a vibrant platform that unites and celebrates Cameroon's diverse cultures, traditions, and heritage, offering an accessible space for everyone to explore and appreciate the country's rich cultural tapestry.

- Micro service app made with : Django, Django Rest framework, Elastic Search, Micro-services , NextJs , Docker , Kubernetes, Minikube

Url Shortener

📅 09/2023 - 12/2023

🔗 https://trixurl.vercel.app/

Make your long URLs short, manageable, and trackable. Improve your marketing and branding efforts with our powerful URL shortening tool.

- Made using : NextJs , Typecript , Javascript , Prisma Orm , Neon Postgres Db, Social Authentication (Github & Google)

capvert_dish

📅 04/2024 - 04/2024   📍 University Of Yaounde 1

🔗 https://github.com/Tomdieu/capvert_dish

List of cap verd dishes

- Made using : NextJs,SparQL,Ontology,Protege and Docker

SUMMARY

I am a Software Engineer with a strong background in building web applications that are both scalable and efficient. I work with modern technologies like JavaScript, React.js, Node.js, and Django, and I know various popular frameworks and libraries. I focus on writing clear code and creating effective digital solutions. I also enjoy working in teams to improve technology and design applications that meet user needs.

KEY ACHIEVEMENTS

💎 **API Development Success**
Implemented APIs handling over 1000 requests daily without errors.

💎 **Database Performance Boost**
Reduced database latency by 30% through query optimization.

LANGUAGES

English

French

FIND ME ONLINE

🌐 **LinkedIn**
https://www.linkedin.com/in/Tomdieuivan/

🌐 **GitHub**
Https://github.com/Tomdieu

SKILLS

Agile | Android | API Design | CI/CD | Django | Docker | Elastic | Elasticsearch | Front-end | Git | GitHub | GitHub Actions | JavaScript | Kubernetes | Microservice Architecture | Nextjs | Node.js | Object Oriented Programming | Python | RabbitMQ | React Native | ReactJs | Redis | Restful API | SparQL | SQLite | SEO | TypeScript | Model-Driven Engineering (MDE) | OCL | Atlas Transformation Language (ATL) | M2M / M2T transformations

INTERESTS

</> **Programming**

📖 **Reading**

🏃 **Sports**

📊 **Financial Markets**

PROJECTS

TrixBank
📅 04/2024 - 04/2024
🔗 https://github.com/Tomdieu/trixbank
Trixbank is a simple banking application that allows users to create accounts, deposit and withdraw funds, and view their account balance.
- Made using Python(Django) and SQLite

DisasterFlow
📅 12/2023 - 01/2024   📍 University Of Yaounde 1
🔗 https://github.com/Tomdieu/DisasterFlow
DisasterFlow is a robust and adaptable system designed to streamline disaster preparedness, response, and recovery efforts. It leverages a microservice architecture to provide enhanced scalability, flexibility, and fault tolerance.
- Microservice app made with Django,Flask,FastAPI,ExpressJs

annonce-ventes-voiture
📅 07/2023 - 08/2023   📍 University of yaounde 1
🔗 https://github.com/Tomdieu/annonce-ventes-voiture/
A car listing website
- Made with : ReactJs,MUI,Django and Django Rest Framework

Agrohelp
📅 04/2023 - 06/2023   📍 University Of Yaounde 1
🔗 https://github.com/BrownofDarkness/AgroHelp/
Agricultural Decision Support Application.
- Microservice app made using : Django, Django Rest framework, Docker,RabbitMQ

Trix Wallet
📅 10/2022 - 01/2023   📍 University Of Yaounde 1
🔗 https://github.com/Tomdieu/momo-app-clone
This is a Mobile money android app to make money transfer,withdraw and top up transactions.
- Made using : Django , Django Rest framework ,Redis , React Native, Django Channels , Django celerybeat , Cron jobs , Websockets and pytest

Map project
📅 07/2022 - 09/2022
🔗 https://nv-trix.vercel.app/user
A Small project that works with mapbox maps and position stack and geopapify api
- Made with : ReactJs,MUI,mapbox, and PositionStack

Nv Chat Application
📅 02/2023 - 05/2023
🔗 https://github.com/Tomdieu/NvChat
NvChat is a web chat application that include group chats and single chats
- Made with : Django,ReactJs, MUI and Django Rest Framework

EDUCATION

Master of Computer Science (M2) Software Engineering
University of Yaounde 1
📅 12/2024 - 11/2025   📍 Yaounde,Cameroon

Master of Computer Science (M1) Software Engineering
University of Yaounde 1
📅 10/2023 - 07/2024   📍 Yaounde,Cameroon

Bachelor of Computer Science Software Engineering
University of Yaounde 1
📅 10/2020 - 07/2023   📍 Yaounde,Cameroon

GCE Advanced Level (A-Level) Science
Government Bilingual High School
📅 09/2018 - 07/2020   📍 Yaounde,Cameroon

GCE Ordinary Level (O-Level) Science
Government Bilingual High School
📅 09/2012 - 07/2018   📍 Yaounde,Cameroon