FRANTZSO LAGUERRE

SOFTWARE DEVELOPER

CONTACT INFORMATION

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🌐 www.frantzsolaguerre.com

LANGUAGES

English
French

PROFILE

Experienced software developer with a strong educational background and proven skills in designing web, desktop, mobile and web applications. Known for my autonomy and ability to work efficiently within a team, I bring dedication, resilience under pressure to ensure project success.

EDUCATION

UNITECH | Université de Technologie d'Haïti
53, Avenue N, Port-au-Prince - Haïti
2013 – 2017
Bachelor's Degree in Computer Science

PROFESSIONAL EXPERIENCE

Developer   *2019 – 2021*
E-Management | Petion-ville - Haiti

Platform sport bar :

It is a stock management system based on a client-server architecture, including an Android application for sales and a web interface built with Angular for administration.

Tasks :

- Actively participate in the development of the Android application.
- Develop Angular services to facilitate communication with APIs.
- Manage page access and handle technical errors.
- Contribute to the development of front-end features using Angular.
- Analyze user needs and assist in drafting the development plan..

AnnParye Admin :

This platform is dedicated to managing and administering various sales points for gambling in the sports betting sector. It is built on a microservices-based architecture.

Tasks :

- Manage page access and handle technical errors.
- Create Angular services to ensure communication with APIs.
- Contribute to the development of front-end features using Angular.
- Participate in the design and architecture of the Angular-based application.

Additional tasks :

- Ensure the maintenance of IT applications.
- Gather and analyze user requirements, then design and implement technical solutions.
- Add new features based on user needs.
- Fix anomalies and resolve bugs.
- Perform evolutionary maintenance of applications.
- Organize training sessions to help users discover and familiarize themselves with the software.

PERSONAL ACHIEVEMENTS

Système de Gestion des Activités Académiques de l'Institut La Sève | 2021

This web application, developed as part of my final year project in Software Engineering, helps the Institut La Sève optimize the management of student and teacher data (courses, schedules, payments, classes, etc.). It also supports the management of various system actors, including the secretary, accountant, and administrator.

Tasks :

- Assess the feasibility and viability of the project.
- Perform analysis and modeling of requirements.
- Design and structure the database.
- Develop the user interface with Angular.
- Write the application's user guide.

AàZ Dictionnaire | 2021

Android application for looking up words, their synonyms, antonyms, and English translations, with an integrated translation engine.

Technologies Used: Android, Firebase Realtime Database, Google Play Console, Firebase Cloud Messaging, Google AdMob, Firebase ML Natural Language, JSON.

Système de Gestion de Prêt | 2023

A system designed to manage loans with interest rates and record repayments.

Watch Demo :

https://youtu.be/-j7y6ZgBA9Q

Tools and Technologies Used :
- Java, Java Swing Library, MySQL Database Management System, JDBC Programming Interface.
- Utilized MVC architecture principles and DAO design patterns.

INTERNSHIP IN SOFTWARE DEVELOPMENT

Solutions S.A
Babiole, Port-au-Prince, Haïti | July 2023 - January 2024

Transverse
This web application was designed to centralize a set of data, making it accessible for use by other applications developed within the company.

I worked on this application using the skills I acquired during my training and internship, particularly with ASP.NET Core MVC, ASP.NET Core Web API, Entity Framework, Dapper, and Linq.

Tasks :

Implement all requested features while strictly adhering to the defined functional requirements.

SantePam

It is a mobile application that simplifies appointment rescheduling, contact with medical staff, prescription management, and updating contact information.

Tasks :

- Collaborate with the team to troubleshoot issues and enhance the performance of the mobile application.
- Contribute to implementing new features to optimize the application.
- Test the functionalities of the mobile application.

SKILLS

PROGRAMMING

- Programming Languages: Java, JavaScript, C#, Python
- Web Development: HTML5, CSS3, XML, Bootstrap, GSON, JSON, JQuery, Java EE (JPA, JSP, Servlet), ASP.NET Core MVC, ASP.NET Web API

- Mobile Development: Android
- Desktop Development: Java Swing Library
- Framework : Angular, Hibernate

Knowledge of essential architectural principles and patterns, such as the Repository Pattern, SOLID principles, the MVC model, the DAO model, and the Singleton design pattern.

DATABASES

Management of relational databases :
- MySQL, Microsoft SQL Server
- Proficient in SQL language (Joins, Functions) and Stored Procedures
- Knowledge of SQL commands (DDL, DML, DCL, TCL) and database design
- Skilled in installation and configuration of database management systems, including Oracle, MySQL, Microsoft SQL Server, and PostgreSQL
- Familiar with Conceptual Data Model (CDM) and Logical Data Model (LDM)

Tools Used :

MySQL Workbench, SQL Server Management Studio, SQLite Studio, Git, BitBucket, GitHub, Azure DevOps, Zoom, Jira, Microsoft Teams, Maven, Gradle, npm, Yarn, Postman, Mocodo for database modeling

Integrated Development Environments :

Android Studio, NetBeans, Microsoft Visual Studio, Eclipse, WebStorm, IntelliJ IDEA, Visual Studio Code, PyCharm

Technologies Used:

Firebase Realtime database, Room, Firebase Cloud Messaging, Google Play Store, Google admob, Retrofit, Apache tomcat

IT CONTENT CREATOR

Activity : Production and publication of educational videos, computer tips and practical solutions to technical problems.

Platforms :

Facebook (FL Technology Solutions) : https://web.facebook.com/profile.php?id=61569594941728

YouTube (FL Technology Solutions) : www.youtube.com/@FLTechnologySolutions

Assets

- Continuous learning aptitude
- Analytical mindset
- Adaptability

REFERENCES

Kafka LAURENT
+1 819 818 79 27, Software Developer at CGI

Luckenson ANTOINE
+509 33 90 9138, Software Developer at SOLUTIONS S.A.

Luckendo BIEN-AIMÉE
+509 37 45 6681, Computer engineer at the Ministry of National Education and Vocational Training

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Port-au-Prince, Haiti

Subject: Application for the position of Software Developer

Dear Sir/Madam,

As a holder of a degree in Computer Science, I had the opportunity to enter the professional world by joining E-Management as a software developer. This enriching experience allowed me to strengthen my technical skills and gain a deeper understanding of the requirements of software development in a dynamic environment.

Over the years, I have participated in various projects, both professional and personal, which highlight my dedication and expertise in web and mobile development. My recent internship at Solutions S.A. was particularly impactful, as it enabled me to enhance my technical knowledge and refine my mastery of modern development tools.

Today, I am eager to take the next step in my career by bringing my skills to your company. Passionate about software development, I am motivated by the prospect of taking on new challenges and actively contributing to your projects. My adaptability and ability to quickly integrate into a team will be significant assets to add value to your activities.

Dynamic, meticulous, and with a strong team spirit, I am confident that I can thrive in a collaborative and innovative environment such as yours. I would be delighted to meet with you to discuss in more detail my motivations and how I can contribute to the success of your projects.

Thank you for considering my application. I look forward to your response and send you my best regards.

Sincerely,

Frantzso Laguerre

UNIVERSITÉ
DE TECHNOLOGIE D'HAÏTI

Diplôme de Licence

Nous, Recteur de l'Université de Technologie d'Haïti

Vu les dispositions de la constitution du 29 mars 1987 amendée sur l'Enseignement Supérieur.

Vu l'autorisation de fonctionnement octroyée par le **Ministère de l'Education Nationale et de la Formation Professionnelle (MENFP).**

Vu l'autorisation de fonctionnement octroyée par le **Ministère de la Santé Publique et de la Population (MSPP).**

Vu le procès verbal d'examens dressé par la **Faculté des Sciences Informatiques de l'UNITECH** le 10 Nov. 2021.

Vu le procès verbal de soutenance de son **projet de synthèse de fin de scolarité** en date du 06 Nov. 2021.

Sur le rapport du **Secrétaire général :**

Attestons que M. **Frantzso Laguerre**

Né (e) à Port-au-Prince le 05 Avril 1993. **Département : Ouest**

a étudié à l'Unitech et a satisfait aux conditions imposées par les statuts et règlements de l'Université, lui décernons

par les présentes, le grade de **Licencié** en **Sciences Informatiques**, avec la mention **Bien** pour en jouir avec les droits et

prérogatives qui y sont attachés.

Fait et scellé à Port-au-Prince le 15 Novembre 2021

Le Recteur   Le Vice-Recteur aux Affaires Académiques   Le Doyen

UNIVERSITÉ
DE TECHNOLOGIE D'HAÏTI
Faculté des Sciences, de Génie et d'Architecture

Certificat

Le Décanat de la Faculté des Sciences, de Génie et d'Architecture de *l'Université de Technologie d'Haïti (UNITECH)*

certifie et atteste que M. **Frantzso Laguerre** étudiant régulier à la **Faculté des Sciences, de Génie et d'Architecture** a terminé avec succès le cycle d'études de quatre (4) ans, option : *Sciences Informatiques*.

En attendant le diplôme de licence, lié à la présentation de son travail de sortie, le présent certificat lui est délivré pour servir et valoir ce que de droit.

Fait à Port-au-Prince, le 20 Septembre 2021

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Vice Recteur aux Affaires académiques
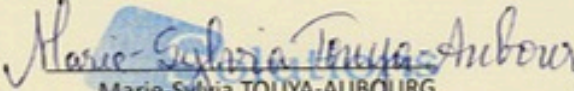
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Doyen

Port-au-Prince, le 23 janvier 2024

A QUI DE DROIT

La Direction de SOLUTIONS S.A., atteste par la présente que Monsieur Frantzo LAGUERRE identifié au NIF 002-666-772-7, a effectué un stage au sein de l'entreprise pendant la période allant du mois 3 juillet 2023 au 18 janvier 2024.

Durant cette période, Monsieur LAGUERRE a été formé sur les technologies utilisées dans l'entreprise et a été affecté à la *Direction Recherche et Développement de logiciels*. Il a effectué les tâches suivantes :

- Participation aux formations sur la conception de base de données et SQL, les concepts de base en programmation ASP.NET MVC framework.
- Participation au développement d'une application mobile Android.

Marie-Sylvia TOUYA-AUBOURG
Directeur Administratif et Financier