

About Me:

Passionate full-stack developer with solid experience in Front-End (HTML, CSS, JavaScript, React) and Back-End (Node.js, Python, SQL, Rails, Flask). I have designed and deployed robust and high-performance web applications, and I am motivated by solving complex problems and working in teams. I am ready to bring my technical skills and enthusiasm to your company to develop innovative and robust solutions.

Studies :

University of Clermont-Auvergne
Bachelor D. in Computer Science.
Le Wagon
Web application Designer and Developer
(RNCP Level 6 Certification)

Clermont-Ferrand, France
Date: 2024
Clermont-Ferrand, France
Date of Certification: 7 July, 2023

EXPÉRIENCES :

Kelal-Mela:**Full Stack JS-Dev August 2024 - PRESENT**

Design and development of front-end and back-end features using JavaScript, React, and Node.js.

PROJETS :

MERN + Stripe & Flask 2024: MVP Calculate Your Compensations (CID)

- Implemented complex algorithms to accurately calculate collective agreements, reducing manual calculations errors by 95%.
- Developed a responsive UI using React, implementing useState hook for efficient state management and dynamic rendering.
- Implemented Stripe payment integration for secure and processes transactions.
- Deployed the application on Heroku & Render using CI/CD pipelines with GitHub Actions, reducing deployment time by 70%.
- Wrote comprehensive documentation using Markdown, increasing developer onboarding efficiency by 50%.
- Achieved a 100% score on Google Lighthouse for performance and accessibility.

Ruby (2023): Authentic Tourism Application (Travel-IT)

- Implemented a relational database using PostgreSQL, optimizing query search for user, guide, tour and booking management.
- Developed a sophisticated matchmaking algorithm, leveraging shared hobbies between travelers and guides, increasing user engagement by 60%.
- Implemented robust booking features and user profile management using Ruby on rails, incorporating RESTful API principles.
- Deployed the application on Heroku using CI/CD pipelines, later successfully migrating to Render with zero downtime.
- Achieved a 95% score on Google Lighthouse for performance and accessibility

Java (2022) : Web Server Development

- Developed a robust backend for a colored sticker management system using Java Spark, Free Marker et JDBC/H2.
- Implemented a secure authentication system using bcrypt for password hashing, JWT for stateless authentication.
- Developed RESTful API endpoints using Spark's GET and Post methods, implementing CRUD operations for student & teacher.
- Collaborated in Agile team environment, participating in daily stand-ups and weekly sprints contributing 50% of productivity.

C and python (2022): Rabbit Population Simulation

- Designed and implemented a stochastic simulation of rabbit population over 20 years using C and Python.
- Utilized Makoto Matsumoto pseudo-random generator to produce realistic data improving by 80%.
- Developed an efficient array data structure of a rabbit reducing memory usage by 40% enabling simulation of 6 million rabbits, to simulate their birth, mortality, and survival probabilities of rabbits.

SKILLS

Architecture and Performance :

- OOP, MVC, UML, Design-Patterns, REST, Algorithms et Documentation

Front-End:

- HTML, CSS et JAVASCRIPT, Bootstrap & React.Js

Workflow:

- GitHub, Neovim et vs code

Back-End & Deployment:

- Sqlite3, PostgreSQL, Ruby Active Records, Ruby on Rails, Express.Js, Node.js, Flask MongoDB
- Render & Heroku

Programming Languages:

- Assembly, Java, C, Python, Ruby et JavaScript

CERTIFICATIONS:

Cambridge English Certificate: C1 (Speaking) & B2+ (Writing)