EYOSIAS WOLDEMICHAEL
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About Me:

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	**Clermont-Ferrand, France**
Bachelor D. in Computer Science.	*Date: 2024*
Le Wagon	**Clermont-Ferrand, France**
Web application Designer and Developer (RNCP Level 6 Certification)	*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 bycrpt 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)