

JEAN FRANCOIS LEON IRAKARAMA

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 Portfolio  github.com/atlas-devel  LinkedIn

PROFESSIONAL SUMMARY

Motivated Year 2 IT student with hands-on experience in full-stack web development and a growing foundation in multiple technology stacks. Proficient in MERN and PERN stack development with demonstrated ability to build production-ready applications including real-time systems, secure authentication platforms, and IoT-integrated dashboards. Self-driven learner currently expanding expertise in Python programming, TypeScript, and modern database technologies. Recognized twice for innovative technical solutions in competitive settings. Passionate about leveraging technology to solve real-world problems and committed to continuous learning and skill development.

EDUCATION

Advanced Diploma in Information Technology

Sep 2024 - Present (Year 2)

Integrated Polytechnic Regional College (IPRC) Kigali, Rwanda

- Specializing in software development and web technologies
- Relevant coursework: Programming fundamentals, Database management, Software engineering, Web development

A2 Certificate in Computer Networking

2021 - 2023

World Mission High School, Gasabo, Kigali

- Graduated in top 3 of class
- Class Monitor (2021-2023): Led classroom initiatives and coordinated peer study groups

TECHNICAL SKILLS

Programming Languages:

JavaScript (ES6+), TypeScript (Learning), Python (Fundamentals)

Frontend Development:

React.js, HTML5, CSS3, Tailwind CSS, Framer Motion, Responsive Web Design

Backend Development:

Node.js, Express.js, RESTful API Design, Socket.io, WebSockets, Real-time Systems

Database & ORM:

PostgreSQL, MongoDB, Prisma ORM, Mongoose ODM, Database Design, Multi-database Integration

Development Tools:

Git/GitHub, VS Code, Postman, npm, Browser DevTools, Cloudinary, Multer

Hardware & IoT:

Arduino Programming, IoT Integration, Embedded Systems

Technical Competencies:

Full-stack Development (MERN & PERN Stacks), API Integration, Authentication & Authorization, Real-time Systems, IoT Dashboard Development

TECHNICAL PROJECTS

IoT-Integrated Dashboard System (Team Project)

Technologies: React, Node.js, Express, Arduino, IoT Integration

Recognition: 3rd Place Team, KOICA Training Program Cohort 2, IPRC Kigali (December 2025)

- Served as lead web developer in 3-member team competing among university classmates in competitive KOICA cohort
- Developed full-stack web dashboard to remotely monitor and control Arduino-based IoT devices
- Built React frontend with real-time data visualization and control interface
- Implemented Node.js/Express backend for Arduino-web communication and data management
- Presented technical solution to His Excellency Korean Ambassador, KOICA Country Director, and distinguished guests at achievement ceremony
- Awarded certificate for 3rd best team and invited to pitch at official ceremony

Movie Discovery & Management Platform

(Near Completion)

Technologies: PostgreSQL, Express, React, Node.js (PERN Stack), Prisma ORM, Cloudinary, Multer

GitHub: github.com/atlas-devel

- Architecting comprehensive movie platform with advanced search, recommendations, and user favorites
- Implementing secure full-stack authentication system with role-based access control for admin dashboard
- Utilizing Prisma ORM for type-safe database operations and seamless PostgreSQL integration
- Integrating Cloudinary for optimized media storage and Multer for secure file upload handling
- Building admin dashboard with content management capabilities and user administration
- Applying modern web security practices including JWT authentication and input validation

Full-Stack Personal Portfolio Website

Technologies: React, Node.js, Express, MongoDB, Tailwind CSS, Framer Motion

Live Demo

- Architected and deployed a full-stack portfolio application with custom backend API for dynamic content management
- Implemented smooth animations and transitions using Framer Motion to enhance user experience
- Designed fully responsive interface optimized for mobile, tablet, and desktop viewing
- Integrated MongoDB database with RESTful API for scalable content delivery

Additional Web Applications & Practice Projects

GitHub Portfolio: github.com/atlas-devel

- **Event Countdown Timer** - React application with persistent state management using Local Storage
- **Task Management Application** - Full CRUD functionality demonstrating React fundamentals and state management
- **Component Library** - Reusable UI components including accordions, forms with validation, and interactive elements

Note: Multiple projects in active development; complete portfolio and code available on GitHub

Assistive Walking Stick for Visual Impairment (Hardware Concept)

Technologies: Arduino, Ultrasonic Sensors

Recognition: Top 5 Selection, KOICA Arduino Training Program Cohort 1, IPRC Kigali (July 2025)

- Conceptualized sensor-enhanced mobility aid using ultrasonic sensors for obstacle detection during Year 1

- Presented technical design at competitive university-level KOICA training program
- Received certificate of recognition for innovative assistive technology solution
- Awarded with dinner invitation alongside Korean Ambassador and KOICA Country Director at Kigali Convention Center
- Demonstrated application of technology for solving accessibility challenges

ACHIEVEMENTS & RECOGNITION

3rd Place Team Award - KOICA Arduino Training Program Cohort 2, IPRC Kigali (December 2025)

- Selected as one of top 3 teams among university classmates in competitive IoT project showcase
- Invited to pitch IoT dashboard project at official achievement ceremony
- Presented to Korean Ambassador, KOICA Country Director, and distinguished guests

Top 5 Project Selection - KOICA Arduino Training Program Cohort 1, IPRC Kigali (July 2025)

- Recognized for innovative assistive technology concept during Year 1
- Awarded dinner invitation with Korean Ambassador and KOICA Country Director at Kigali Convention Center

Top 3 Academic Performance - World Mission High School (2021-2023)

Leadership Recognition - Class Monitor for peer mentorship and coordination (2 years)

PROFESSIONAL EXPERIENCE

Social Media Coordinator

2022 - 2023

Media Club, World Mission High School

- Led social media strategy and content creation for school media initiatives
- Coordinated team activities and managed digital communication channels
- Developed organizational and leadership skills through collaborative projects

CORE COMPETENCIES

Problem-Solving: Developing analytical skills through debugging and troubleshooting code issues

Self-Directed Learning: Proven ability to master new frameworks and technologies independently through documentation, online resources, and hands-on practice

Collaboration & Communication: Experience leading teams and explaining technical concepts to diverse audiences

Adaptability: Quick to learn and apply new programming languages, frameworks, and development methodologies

Continuous Learning: Actively expanding technical skill set through hands-on projects and self-study in Python, TypeScript, and emerging technologies

Vision-Driven: Aspiring to become a capable developer who leverages technology to solve real-world societal problems and create meaningful impact

LANGUAGES

English - Proficient (Professional working proficiency) **Kinyarwanda** - Native speaker

Available upon request

Last Updated: December 2025