Chance Desire IRADUKUNDA

Senior Software Engineer
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SUMMARY

Senior Full Stack Software Engineer with 7+ years of experience building secure, scalable, and high-performance digital systems. Skilled in full-stack development, cloud computing, DevSecOps, and enterprise architecture. Passionate about leveraging emerging technologies like Blockchain, AI, and Web3 to drive innovation, cybersecurity, and Rwanda's digital transformation.

WORK EXPERIENCE

Senior Full Stack Engineer, DabbLab - US Remote   Nov 2023 – Present

- Lead development of AI-powered applications using Python, NextJs, ReactJs, LLMs, LangChain, and modern web frameworks.
- Collaborate with cross-functional teams to design and deploy scalable solutions on AWS.
- Drive innovation, architecture decisions, and performance optimization across digital products.

Senior IT Specialist / Software Engineer, Rwanda TVET Board - Rwanda   Feb 2024 – May 2025

- Contributed to the development of the RTB digital platform supporting education digitalization.
- Participated in nationwide digital transformation and cybersecurity initiatives.
- Led training sessions for trainers and trainees, and contributed to high school and coding academy curriculum design.
- Managed deployments, application security, and continuous improvement projects.

Expert Software Engineer/Freelancer, Upwork - US Remote   Aug 2022 – Jul 2025

- Delivered 20+ successful international client projects earning over $40,000 in total revenue.
- Designed and deployed full-stack applications using Django, Java, React, Next.js, Node.js, and Python.
- Integrated AI-powered features, chatbots, LLMs, and blockchain smart contracts.
- Applied cybersecurity best practices, database management (MongoDB, PostgreSQL, MySQL), and DevOps tools.

Software Developer / Technical Team Lead, Andela - Rwanda   Apr 2022 – Nov 2024

- Began as a software developer and advanced to Technical Team Lead, overseeing agile and scrum-based teams.
- Led development of secure web and mobile applications using Python, Reactjs, Nodejs, DevOps, and modern frameworks.
- Ensured deployment quality, code reviews, and technical mentorship.
- Focused on performance optimization, team collaboration, and software security.

Frontend Engineer, Freebeings - Mauritius Remote   May 2023 – Feb 2024

- Developed responsive web and mobile applications with a strong focus on user experience.
- Implemented blockchain-integrated frontends and cybersecurity protocols.
- Managed deployments, GitHub version control, and pull request reviews.

Junior Software Developer, TrueFeedback - Turkey Remote.   Dec 2021 – Jan 2023

- Built full-stack applications with interactive data visualizations using D3.js.
- Contributed to smart contract integration and blockchain features.
- Supported backend logic and front-end UI improvements.

IT Assistant, ArConsult Ltd - Rwanda   Mar 2019 – Sept 2021

- Maintained and updated the company website and internal IT systems.
- Secured workplace computers with firewalls and software upgrades.
- Supported day-to-day IT operations and implemented security improvements.
- Utilized HTML, CSS, JavaScript, React, and general software maintenance tools.

EDUCATION

Master of Science in Information Technology
University of Kigali

Sept 2024 - Dec 2025

Bachelor's Degree in Software Engineering
College of Science and Technology - University of Rwanda

Aug 2018 - Dec 2021

PROJECTS

TVET Hub – Rwanda TVET Board

A national platform unifying Rwanda's TVET ecosystem, featuring an AI-powered assistant for students, trainers, and administrators.
https://tvetdigitalization.rtb.gov.rw/

Rwanda School of Creative Arts and Music (RSAM)

An institutional website showcasing academic programs, alumni, and admissions through an engaging and responsive digital experience.
https://rsam.rw/

EnhancifAI

An AI-powered platform that transforms and enriches datasets using natural language prompts for analysis and predictive insights.
https://enhancifai.com/

AI eLearning Platform – YT Genius

A smart learning platform that converts uploaded content into interactive materials and quizzes powered by AI.
https://ytgenius.qa.yellowtail.tech/

Archr.ai

An AI-driven project management and payroll system that simplifies team collaboration, sprint planning, and reporting.
https://www.archr.ai/

OncoAI.io

A healthcare AI platform offering personalized medical guidance through intelligent conversational agents.
https://about.wittyai.org/

Learn Germany Language

A web platform for online registration and virtual German language learning for students in Rwanda.
https://www.akagera-rhein-academy.com/

EdTech School Management App

A digital school system enabling enrollment, attendance tracking, and communication between teachers and parents.
https://e-school-rw.vercel.app

TECHNOLOGIES

Stack

Python,NodeJS,NextJs,ReactJS,Python,ExpressJS,Javascript,TypeScript,Java/Sprintboot,GraphQL,Tailwindcss,Prisma, MongoDB, PostgreSQL,AWS (EC2, Amplify),Heroku, Wireshark,REST API, Supabase,Firebase,Cloud functions,JIRA,Nginx, Cloudflare,CircleCI, RESTful API,web3.

AWARDS/WORKSHOPS

Hackathon Mentor (2023)

Google African Developer program (2023)

RCA Curriculum Review (2022)

LuxDev Program – Blended Learning in TVET (2024)

Edified Rwanda – Capacity Building Program (2024)

LANGUAGES

English, fluent

French, Good

Kinyarwanda, Native

SKILLS

- **Software Development:** Full-stack, secure, and scalable applications.
- **Cloud & DevOps:** AWS deployment, CI/CD, automation.
- **Machine Learning & AI:** AI integration and data automation.
- **Cybersecurity:** Secure coding, VAPT, and firewalls.
- **Blockchain:** Smart contracts and decentralized apps.