

# Derrick IRADUKUNDA

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Experienced full-stack developer with expertise in multiple programming languages, frameworks, and tools, gained through hands-on experience and formal education. Proven track record of building scalable web applications and software solutions that address community and public needs. Led teams of 4+ developers to deliver high-impact projects, including Rwanda's first digital insurance marketplace, and contributed to open-source projects with 700+ weekly downloads. Adept at modern web technologies, DevOps practices, and fostering collaboration across teams. Committed to continuous learning, innovation, and staying current with industry trends.

## EDUCATION

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**Bachelor of Computer Engineering** | University of Rwanda      GPA: 8/10      2021-2026

## EXPERIENCE

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**HISP Rwanda**, Software Engineer | Onsite      2024

- Building Full Stack Health Information Systems using NestJs, Typescript and NextJS.
- Built Custom apps and dashboards for DHIS2 (World Health Organisation) Health information system
- Deploying and managing web services of custom apps for DHIS2

**Coversoko**, Technical Operations Manager & Product Development Lead | Kigali      2024 – Present

Driving the development and operations of Rwanda's first digital insurance marketplace, ensuring scalability, security, and seamless user experiences.

- Led a team of 4 developers and 2 designers, effectively managing tasks, timelines, and deliverables to build and continuously improve the Coversoko platform.
- Streamlined deployment processes by implementing CI/CD pipelines for Coversoko's core platform and email services, enabling faster and more reliable releases.
- Secured critical systems by integrating third-party APIs, including payment gateways, government NIDA APIs, and other commercial APIs, ensuring compliance with regulatory standards.
- Partnered with stakeholders to integrate the platform with the Rwanda Revenue Authority's (RRA) vehicle registration API, aligning with anti-fraud and anti-money laundering measures.
- Served as a Team Manager, fostering collaboration across the development and design teams while driving innovative solutions for the insurance tech industry.

## Tekyaw, DevOps Engineer

Kigali, Rwanda | 2024

Streamlined development and deployment pipelines while maintaining infrastructure security and scalability.

- Technologies: Docker, GitHub Actions, CI/CD, Nginx, Caddy, VPN, Linux CLI, AWS.
- Deployed and managed the company's Management Systems across multiple VPS domains, ensuring high availability and scalability.
- Automated deployment pipelines using GitHub Actions, streamlining code integration and release processes.
- Configured and maintained infrastructure on Linux servers, using Docker for containerized deployments to optimize resource management.
- Worked closely with the development team to bridge the gap between product development and operations, ensuring smoother deployment cycles and operational efficiency.
- Managed system monitoring, automated backups, and updates, ensuring system security and reliability.

## Andela, full stack software developer | Remote

2023

- Backend development with NodeJS, excelling in CRUD operations, RESTful API creation, and database management (SQL & NoSQL).
- Enhanced application security and user management capabilities by implementing JWT-based authentication systems.
- Advanced front-end development skills by designing intuitive, responsive interfaces with React, Next.js, and deploying applications with continuous integration using CircleCI.

## Rwanda Traffic Guide, Software Engineer | Remote

Sep 2022 – Jul 2023

Led a 5-person team to develop a comprehensive testing web app for theoretical driving lessons in for disabled people in Rwanda.

- Technologies: PHP, MySQL, jQuery, Bootstrap, Laravel
- Established a front website where users can view information about the website and testing functionality.
- Implemented stringent security measures, including quiz section on-premises hosting and encryption.
- Successfully deployed the app, now serving over 20,000 active users.

## SKILLS

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**Languages** JavaScript, TypeScript, C++, Java, C#, .NET, PHP, SQL, HTML, CSS, VBScript

**Frameworks** Express.JS, NodeJS, React.JS, Next.JS, Angular, Laravel, Spring Boot

<b>Technologies</b>	Git & GitHub, GraphQL, Docker, AWS, Agile Methodologies, Payment Gateways, Web Scraping, wordpress
<b>Soft Skills</b>	Problem-solving, Adaptability, Flexibility, Strong work ethic, Leadership Skills

## HIGH IMPACT PROJECTS

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**Rwanda-Geo-Structure, OpenSource developer** | [Npm Link](#) 2024 - now

Developed a highly functional npm package for processing geographical data.

- Published 7+ versions, achieving over 700 weekly downloads.
  - Designed using TypeScript and Node.js for robust geospatial data handling.
  - Provided extensive documentation, simplifying adoption for developers and teams.
- Developed a powerful geographical data processing package.

**TheHuyeCom** | Full stack software developer | [thehuye.com](#) Jan 2022 – now

TheHuye.com is an educational informational blog that provides information, guidance and updates related to scholarships and student opportunities.

- Fully functioning blog built with WordPress; Customizable theme; Payment gateways.
- PHP, MySQL, WordPress API, Email Marketing; Hosting Services
- 47K plus monthly visitors and over 120k students helped over in the last two years.

**CourseGuild** | Co-Founder, Back-end software developer | [courseguild.com](#) Jan 2022 – now

Co-Founded and developed CourseGuild, a locally-based platform empowering independent tutors to create and deliver courses to students.

- Spearheaded back-end development efforts using WordPress API as the foundation, supplemented by custom PHP coding for enhanced functionality, MySQL for robust database management and configured cPanel.
- hosted the platform on a VPS server with Docker containers for efficient deployment and management of application components.
- Integrated mobile money payment gateway for seamless transaction processing in paid courses.
- Leveraged Mautic, an open-source email marketing platform coupled with AWS SES for effective email marketing campaigns.

**Rwanda Financial Markets API** 2023

Developer and maintainer of the Rwanda Financial Markets API built using PostgreSQL, Python, Flask stack, which focuses on providing reliable and efficient access to real-time and historical market data.

- Implemented comprehensive endpoints for real-time stock prices, market indices, trading volumes, bid/ask prices, and historical market data to facilitate in-depth market analysis.
- Integrated access to company fundamentals, including financial statements, earnings reports, balance sheets, cash flow statements, and KPIs, to support informed investment decisions.
- Designed and implemented a suite of technical indicators such as moving averages, RSI, MACD, and Bollinger Bands, enabling users to perform advanced technical analysis.