

Derrick IRADUKUNDA

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Web-passionate full-stack developer who is eager to take part in the ever-changing web. Equipped with extensive knowledge in programming languages, frameworks and technical tools, acquired through hands on experience and formal education, I have managed to build software solutions that help my local community and the public in general. I believe in continuous learning and I am a committed individual, that is why I am seeking a community where I can add value to the web using my skills and continue to increase my skillset to thrive in the rapidly evolving IT industry.

EDUCATION

Bachelor of Computer Engineering University of Rwanda	GPA: 7/10	2022-2025
Mathematics Computer Science & Economics College St Jean	GPA: 10/10	2018-2021

EXPERIENCE

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

IYawe Art Collection, Founder & Lead Developer | Kigali, Rwanda 2024

- Spearheaded the development of an e-commerce platform dedicated to selling authentic Rwandan art and custom-made clothing, handling both the backend and frontend operations.
- Backend: Designed a scalable, secure system with Node.js, implementing essential CRUD functionalities, user authentication (JWT), and a robust order management system. Integrated payment gateways for seamless online transactions.
- Frontend: Created a visually appealing, responsive user interface using React and Tailwind CSS, enhancing user experience with intuitive navigation and mobile-friendly designs.
- Deployed the platform with continuous integration pipelines using Docker and CircleCI, ensuring seamless updates and reliable performance.
- Implemented email systems for transactional emails, enabling smooth communication between users and the platform. Currently developing a central dashboard for managing email accounts to streamline internal communications.

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

- Technologies: PHP, MySQL, jQuery, Bootstrap, Laravel
- Led a 5-person team to develop comprehensive testing web app featuring dynamic question sets, image integration, and seamless login functionality.
- 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.

MyLostFind, Full stack Software Engineer

Kigali, Rwanda | Sep 2022 – Jul 2023

- Technologies: Node.js, Express.js, Next.js, Typescript, React, AWS S3, CI/CD
- Achieved faster uploads and retrieval of resources through integration with AWS S3
- Implemented efficient CI/CD pipelines using GitHub Actions to automate build, test, and deploy.
- Enhanced user authentication and communication functionalities by integrating Google Sign-In, secure OTP SMS delivery, AWS SES, and React Email.
- Collaborated on integrating local payment processors and mobile money APIs to facilitate secure and convenient transactions.

SKILLS

Languages	JavaScript, TypeScript, C++, Java, C#, .NET, PHP, SQL, HTML, CSS, VBScript
Frameworks	Express.JS, NodeJS, React.JS, Next.JS, Angular, Laravel, Spring Boot
Technologies	Git (Version control systems) & GitHub, RESTful APIs, Docker, AWS (Amazon Web Services), Agile Methodologies, Payment Gateways, Web Scraping
Other	Hardware Repair and Maintenance, IT services, Network Setup and Configuration, WordPress, Squarespace, Shopify, Email marketing, SEO (Search Engine Optimization), Figma, Canva, Adobe Software's.
Soft Skills	Problem-solving, Adaptability, Flexibility, Strong work ethic, Leadership Skills

PROJECTS

Portfolio Website | derricknuby.com | [GitHub Repo](#)

Jan 2024 – now

My website and portfolio that showcases my skills and projects I have built over the years.

- Built with NodeJS; Express; Typescript; Mocha for tests; Swagger for documentation; Mongoose; cloudinary to manage files.
- Implemented CRUD operations in MongoDB and JWT for authentication
- Utilized CircleCI for continuous integration and continuous deployment plus Mocha for testing
- Deployed on Render with Swagger documentation
- Achieved a fully functioning blog system; with comments; posts; likes and other engagement functionality. And Implemented role-based access to certain levels of my application.

TheHuyeCom | CEO, 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 Stock Exchange API

2023

- Developer and maintainer of the Rwanda Stock API backend built using PostgreSQL, Typescript, NodeJS 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.