

Curriculum Vitae

Personal Information

Name: Denis Uwihirwe

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Location: Kigali, Rwanda

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Certificates: https://drive.google.com/drive/folders/1x1fB6LGiy71fg0hn7c-U936MSWSz50ur?usp=drive_link

Professional Summary

Results-driven Computer and Software Engineering professional with expertise in full-stack web development and backend engineering. Skilled in multiple backend technologies, including Spring Boot, JSP, Servlets, JavaServer Faces, Node.js, Express.js, Next.js API, FastAPI, Django, and containerization with Docker. Passionate about solving complex problems and delivering innovative solutions through technology.

Education

Bachelor of Science (Honors) in Computer Science and Engineering
University of Rwanda - Nyarugenge Campus

Advanced Diploma in Mathematics, Computer Science, and Economics
Advanced Secondary School - G.S APAPEC Murambi

Professional Experience

Programming Instructor | EAV TVET School, Eastern Province, Rwanda | Apr 2024 – Aug 2024

- Designed and delivered comprehensive technical curriculum for senior secondary students (S4-S6).
- Led instruction in Database Management, JavaScript, Web Development, and Data Structures.

- Created engaging practical exercises and assessments to reinforce learning objectives.

Backend Development Mentor | EdTech Companies (Sonatube) & RiseUp Media (Nyamirambo)

- Coached students in Node.js, Java (Spring Boot), PHP, and MySQL.
- Prepared students for technical challenges as coach for the Rwanda Informatics Olympiad (AIMS/MINICT).

Training Participant – Advanced Backend Technologies | University of Rwanda under Afritech | Jan 2024 – Apr 2024

- I received extensive training in FastAPI, React, and Node.js.
- Developed full-stack applications combining backend and frontend technologies.
- Collaborated with industry professionals on real-world projects.

Technical Trainer | Power Learn Project Africa | May 2024 – Feb 2025

- Trained learners from 50+ countries in Python and Django (MVC architecture).
- Emphasized scalable backend solutions and industry best practices.
- Facilitated workshops on deploying and maintaining web applications.

Java Development Intern | Codetech, India | Jan 2023 – Apr 2023

- Contributed to production-level Java applications using Spring Boot framework.
- Implemented robust software solutions following industry best practices.
- Participated in code reviews and agile development processes.

Web Development Intern | CodeAlpha, India | Oct 2022 – Dec 2022

- Developed full-stack web applications using Express.js, Flutter, and Django frameworks.
- Collaborated on team projects implementing modern web development practices.
- Completed intensive training in contemporary web technologies.

Web Development Intern | Berulo Foundation, Rwanda | Feb 2025 – May 2025

- Developed full-stack web applications using Express.js, Flutter, and Django frameworks.
- Collaborated on team projects implementing modern web development practices.
- Completed intensive training in contemporary web technologies.

Technical Skills

Backend Development: Java (Spring Boot, JSP, Servlets, JSF), Node.js & Express.js, Next.js API, PHP & Laravel

Frontend Development: React.js, Next.js, HTML5, CSS3, Bootstrap, Tailwind CSS Mobile Development: Flutter (Cross-platform)

Databases: MySQL, PostgreSQL, MongoDB

Containerization & DevOps: Docker, GitHub Actions, Jenkins

Networking & Security: Cisco Certified (IT Essentials, CCNA1-3), Cybersecurity Fundamentals

Other Tools: Postman (API Testing), Microsoft Office Suite, Digital Marketing

Certifications & Professional Development

Certifications: Java Development (CodeAlpha), Java Programming (CodeTech India), Postman API Testing, Microsoft Certifications

Professional Development: Career Essentials in Sustainable Tech, Digital Transformation Essentials, Entrepreneurship and Startup Fundamentals, Generative AI Fundamentals, Server-Side Development with Node.js, Java Complete Tutorial, System Administrator Essentials

Achievements

- Active participant in Rwanda Informatics Olympiad
- Advanced algorithmic problem-solving expertise
- National programming competition experience

Languages

Kinyarwanda (Native)

English (Professional Working Proficiency)

Soft Skills

Leadership, Communication, Team Collaboration, Rapid Learning, Adaptability, ProblemSolving, Cross-cultural collaboration

References

- Mr. Mbonabucya Celestin – Binary Hub Coordinator | Phone: +250 788 695 862
- Alexander Ngenzi – H.O.D Lecturer, University of Rwanda | Phone: +250 788 777 992
- Mr. Rwego Mucyo Placide – Lecturer, University of Rwanda | Phone: +250 788 496 945

I hereby declare that all the information provided in this CV is true and accurate to the best of my knowledge.

A handwritten signature in blue ink, consisting of a stylized 'S' followed by a horizontal line and a small flourish.