

Emmanuel Magachi Jesse

Full-Stack Developer

Software Engineer | Web Development & Design | Software Solutions

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PROFESSIONAL SUMMARY

I am a versatile IT professional specializing in software engineering and full-stack web development. I design and build optimized web solutions that integrate front-end and back-end systems, delivering seamless user experiences with reliable performance.

Passionate about continuous learning, I combine creativity with problem-solving to develop scalable solutions that address real-world challenges. I have practical experience creating high-performing websites, strengthening system security through ethical practices, and managing technical projects with clarity and structure.

Alongside my technical work, I enjoy mentoring and sharing knowledge with upcoming IT professionals, helping others gain practical skills and confidence in technology.

PROFESSIONAL EXPERIENCE

Full Stack Web Development Intern

Future Interns May 2025 – June 2025

- **Built and maintained web applications**, integrating front-end and back-end systems.
- **Solved complex project tasks**, delivering reliable and scalable solutions.
- **Collaborated with developers** to contribute ideas and technical implementation.
- **Proactive and detail-oriented**, consistently exceeded expectations.

Full-Stack Developer (Freelance & Client Projects)

Self-Employed | 2021 – 2023

- **Built RESTful APIs and secure authentication systems**, improving scalability, reliability, and data protection.
- **Optimized performance**, cutting load times by 40% through refactoring and caching.
- **Collaborated with clients** to gather requirements and deliver tailored solutions with third-party integrations (payments, messaging, analytics).
- **Designed and developed user-friendly, mobile-responsive websites** using HTML5, CSS3, and modern frameworks

SKILLS

Programming Languages: JavaScript (ES6+), PHP, Python, TypeScript, HTML5, CSS3, SASS/SCSS	Version Control & Collaboration: Git, GitHub, GitLab, Agile (Scrum), CI/CD (GitHub Actions, Jenkins)
Frameworks & Libraries: Node.js, Express.js, React.js, Next.js, Bootstrap, Tailwind CSS, jQuery	Deployment & Tools: XAMPP, Docker, Netlify, Vercel, Heroku, AWS
Databases: MySQL, MongoDB, SQLite	Testing & Debugging: Postman, Unit Testing (Jest/Mocha), Chrome DevTools
APIs & Web Services: RESTful APIs, JSON, XML, Third-Party Integrations	UI/UX Design: Figma, Adobe XD, Responsive Design, Wireframing
Authentication & Security: Secure Authentication (JWT, OAuth, bcrypt), OWASP Best Practices	Other: Project Proposal Writing, Mentorship & Training, Problem-Solving, Communication

EDUCATION

Software Development Program

Power Learn Project (PLP) Feb 2025 – July 2025

- Completed a foundation phase in **Software Engineering**, covering programming basics, version control, and problem-solving.
- Advanced through a core phase with training in **Python, Web Development, Databases, and Entrepreneurship Skills**.
- Specialized in **Full-Stack MERN Development (MongoDB, Express.js, React.js, Node.js)**, building practical applications with REST APIs, authentication, and deployment.
- Collaborated on team-based projects, applying agile practices to simulate real-world software development.

Diploma in Information Technology

Jomo Kenyatta University of Agriculture and Technology Jan 2023 – Aug 2024

- Gained a strong foundation in **Software Engineering principles**, including system design, analysis, and the full development lifecycle.
- Studied **Web Development** (front-end: HTML, CSS, JavaScript | back-end: PHP, MySQL) and applied **Web Design concepts** for responsive, user-friendly interfaces.
- Coursework also covered **Networking, Database Management, and IT Project Management**, strengthening technical versatility.
- Final Year Project:** Developed an **eCommerce website** with product listings, shopping cart functionality, and secure user authentication, demonstrating end-to-end full-stack development skills.