JULIUS DAGANA

Full-Stack Software Engineer | AI & Cybersecurity Enthusiast
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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

SUMMARY

Results-driven **Full-Stack Software Engineer and AICE-certified AI** graduate with hands-on experience designing and deploying scalable web and mobile applications using **React, React Native, Next.js, Node.js, Firebase,** and the **MERN** stack. Proven ability to translate business requirements into clean, maintainable code while optimizing performance, security, and user experience. Adept at rapid learning, problem-solving, and building user-focused systems that deliver measurable impact.

SKILLS

Frontend:
React, Next.js, React Native, Tailwind CSS, Bootstrap, DaisyUI, MUI, Zustand

Backend:
Node.js, Express.js, MongoDB, Firebase, Cloudinary

Languages:
JavaScript (ES6+), HTML5, CSS3, Python, TypeScript

APIs & Integrations:
REST APIs, Weather APIs, Geolocation APIs, Firebase Auth

Testing & DevOps: Jest, Cypress, GitHub Actions, Vercel, Netlify, Render

Security & Architecture:
RBAC, JWT, OAuth, Data Encryption, MVC & Modular Architecture

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PROJECTS

Full-Stack Developer – School Management System (Grade A+)   *Personal Project | Jan 2025 – Present*

- Architected and delivered a **multi-role** school management platform supporting **4 user roles**, with modular architecture and scalable access control.

- Implemented **RBAC and secure authentication flows**, ensuring compliant access to sensitive academic data.

- Built **real-time dashboards and reporting pipelines** for academic performance monitoring and stakeholder communication.

- Optimized rendering and database queries, **reducing dashboard load time and improving concurrent request handling**.

Full-Stack Developer – WaterTrackerApp   *Personal Project | May 2025 – Present*

- Architected and developed a hydration-tracking application with **secure Firebase Authentication** and **Firestore-based data persistence.**

- Integrated real-time weather and **geolocation APIs** to dynamically personalize hydration recommendations and improve user relevance.

- Engineered a mobile-first, **responsive UI** using **React** and **Tailwind CSS,** optimized for performance and cross-device usability.

- Deployed and maintained the production application on **Vercel**, implementing environment configuration and build optimization.

Full-Stack Developer – EasyProfile   *Personal Project | Sept 2025 – Present*

- Architected and delivered a secure credential management system for storing and reusing **sensitive user credentials** with strong access controls.

- Integrated **Cloudinary** for secure and optimized media storage, implementing controlled upload and retrieval workflows.

- Implemented protected routes, encrypted data handling, and responsive **UI architecture** to ensure data security and consistent user experience across devices.

EXPERIENCE

Full-Stack Developer – Jnard IT Consult   *Sept 2025 – Present*

- Architected a team & project management platform with role assignment, task tracking, and performance monitoring, improving operational efficiency by **25%.**

- Designed issue-reporting & project-review modules, enhancing **transparency and reducing resolution time** by **30%.**

- Contributed to a **MERN-based** internship management system, streamlining applicant tracking across active, recruiting, and closed phases.

- Implemented recruiter shortlisting workflows with automated notifications, reducing manual communication by **40%.**

- Mentored **3 junior developer**s and conducted code reviews to enforce best practices.

- Collaborated in **agile teams**, leveraging **GitHub-based CI/CD pipelines** to ensure production-ready deployments.

EDUCATION & CERTIFICATIONS

Full-Stack Engineering Student – Codetrain Africa   *Sep 2024 – Present*

AICE Certification in Artificial Intelligence – ALX Africa   *Sept 2025 – Oct 2025*

Ongoing Self-Study in Cybersecurity   *Oct 2025 – Present*