

# PETER ACHANGA

Senior Front End Developer

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## PROFESSIONAL SUMMARY

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Front End Developer with 6+ years of experience building clean, high-performance web experiences that drive real outcomes — from donor-facing fundraising platforms at MUSC Foundation to scalable applications serving thousands of users. Specialising in frontend engineering, accessibility (WCAG 2.1 AA/AAA), and full-stack development. Proven track record of leading cross-functional teams, architecting modular UI systems, and turning complex requirements into intuitive, pixel-perfect interfaces. Open to frontend, full-stack, and advancement technology roles.

## PROFESSIONAL EXPERIENCE

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### Senior Web Developer

Sep 2023 – Present

*Medical University of South Carolina — Advancement & Fundraising | Charleston, SC*

- Build and maintain the digital web infrastructure for **MUSC Foundation** leveraging HTML5, CSS3, JavaScript, and PHP, leading to multi-million dollar campaigns and donor engagement.
- Redesigned and relaunched MUSC Foundation's donor-facing micro-sites on **Sitecore CMS**, driving a **70% increase in stakeholder engagement** and directly improving campaign conversion rates.
- Designed and deployed targeted, responsive email campaigns via **Mailchimp** for donor stewardship and annual giving appeals, improving open and click-through rates across segmented donor lists.
- Maintained **99.9% uptime** across all fundraising platforms during high-traffic giving events including Giving Tuesday and year-end campaigns, ensuring zero donor drop-off during critical fundraising windows.
- Ensured all fundraising and donor communication platforms met **100% WCAG 2.1 compliance**, expanding accessibility to a broader donor base and reducing institutional legal risk.
- Collaborated with the MUSC Foundation's advancement and communications teams to align digital experiences with fundraising goals and institutional brand standards.

### Lead Full Stack Developer

May 2019 – Jun 2021

*Enam Technology Solutions Limited | Nairobi, Kenya*

- Took full technical ownership of frontend and backend architecture across multiple client projects, leading a team of junior developers and establishing engineering processes — agile sprints, code reviews, CI/CD pipelines — that enabled the team to **ship faster and with fewer defects**.
- Architected modular, component-driven UIs in **React.js**, **Next.js**, and **Vue.js** that reduced development time on new features by reusing shared design system components across client projects.
- Built and documented **secure RESTful APIs** consumed by both web and mobile clients, enabling parallel frontend and mobile development and significantly cutting integration time.
- Introduced **TypeScript** across the frontend codebase, reducing runtime errors and improving developer confidence during fast-paced iteration cycles.
- Translated ambiguous client briefs into concrete technical specifications, reducing scope creep and taking products from **zero to production-ready launch**.
- Adopted **Tailwind CSS** for rapid UI development and **Redux/Zustand** for scalable state management across complex client applications, improving consistency and maintainability across the codebase.

- Implemented **Jest and React Testing Library** for unit and component testing, and applied **Core Web Vitals** performance optimisation techniques — lazy loading, code splitting, and image optimisation — to deliver consistently fast, high-quality user experiences.

## TECHNICAL SKILLS

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**Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3, PHP, Python, SQL, C#

**Frameworks & Libraries:** React.js, Vue.js, Node.js, Next.js, SCSS, Tailwind CSS, Redux/Zustand, Django, Express, Bootstrap

**CMS & Email:** Sitecore CMS, Webflow, WordPress, Mailchimp

**Cloud & DevOps:** AWS, IBM Cloud, Docker, CI/CD, Kubernetes, GitHub Actions, Vercel

**Databases:** PostgreSQL, MySQL, MongoDB, Firebase

**Tools & Methods:** Git, Figma, Agile/Scrum, WCAG 2.1 AA/AAA, Jest/React Testing Library, Web Performance/Core Web Vitals, Tableau, PowerBI

**AI Tools & Integration:** Claude AI, ChatGPT, Gemini, Cursor, GitHub Copilot, OpenAI API, AI-Assisted Development

## EDUCATION

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### Master of Science in Information Technology

2021 – 2023

*Georgia Southern University | Statesboro, GA*

- Published research in predictive text and AI language models.

### Bachelor of Science in Information Technology

2013 – 2017

*Jomo Kenyatta University of Agriculture and Technology | Nairobi, Kenya*

## CERTIFICATIONS

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- Developing Cloud Apps with Node.js and React — IBM
- Web Programming with Python and JavaScript — HarvardX
- Introduction to Cloud Computing — IBM
- HTML, CSS, JavaScript for Web Developers — IBM