

PETER MAINA CHEGE

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Professional Summary

Full-Stack Software Engineer with hands-on experience designing and deploying scalable web and mobile applications from concept to production. Proficient across the full stack, from responsive UIs to secure backend systems and optimized databases. Skilled in delivering cloud-native, high-performing solutions that drive measurable business value. Experienced collaborating in distributed, Agile teams across time zones, and eager to contribute to impactful global projects.

Skills

- **Languages:** TypeScript, JavaScript (ES6+), C#, .NET
- **Frontend:** React.js, React Native, Next, Redux, HTML5, CSS3
- **Backend:** Node, Express, ORM, RESTful APIs, JWT, API Integration, Microservices
- **Databases:** PostgreSQL, MySQL, Firebase, Supabase, Microsoft SQL Server
- **DevOps & Cloud:** Docker, Kubernetes, Git/GitHub, CI/CD (Jenkins/GitHub Actions), Jest, Azure, AWS, Terraform
- **Methodologies:** Agile (Scrum), pair-programming, code reviews
- **Tools:** Git, GitHub, Jira, Visual Studio, VS Code, Confluence

Experience

Role	Location	Period
Engineer - Griffin Global Technologies	Nyeri, Kenya	Dec 2025-Present
Software Engineer - Opesha Solutions(Startup)	Nairobi, Kenya	July 2023-Dec 2025
Software Engineering Attaché - Teach2Give	Laikipia, Kenya	May 2025-Aug 2025

• Delivered full-stack production systems across Next.js/React/TypeScript, C#/NET, and cloud platforms supporting core business operations

• Improved API performance by 95%+ (25s → <1s), boosting platform reliability and customer experience

• Designed scalable cloud infrastructure, data layers, and reusable component libraries to enable rapid product growth

• Partnered with product and leadership to translate business requirements into high-impact technical solutions

• Designed and optimized a cloud-based digital credit platform using React, React Native, Node.js, and TypeScript—improving performance by 30% and enabling 24/7 access for SMEs.

• Engineered secure REST APIs and a scalable microservices architecture powering automated loan processing and investment workflows.

• Enhanced system performance, accessibility, and scalability—driving financial inclusion for SMEs across Kenya.

• Collaborated with distributed Agile teams across time zones, leveraging Dockerized CI/CD pipelines for continuous deployment and rapid iteration.

Projects

- **StayCloud—Hotel Room Booking Platform** | React, Redux Toolkit, Stripe, Express, PostgreSQL | [GitHub](#) | [Live Link](#)
 - Built and deployed a mobile-first hotel booking system with real-time data sync and Stripe payment integration, improving booking flow by 70% and ensuring secure role-based access with JWT.
- **Restaurant Management System** | React.js, TypeScript, Tailwind CSS, Node.js, Express.js, DrizzleORM, PostgreSQL, Docker | [GitHub](#)
 - Developed a role-based restaurant management API with secure authentication, responsive dashboards, and optimized DB schema.
 - Reduced data redundancy by 60% and improved API performance using Dockerized architecture.
- **NexuCore** | React.js, TypeScript, Tailwind CSS | [Live Link](#) | [GitHub](#)
 - Designed a scalable and responsive frontend focused on accessibility and high performance for cloud-based systems.

Education

Degree	University	Location	Period
Bsc. Computer Science	Laikipia University	Laikipia, Kenya	Sep 2021-Dec 2025

• First Class Graduatant : Dec 2025

• Relevant coursework: Data Structures, Web & Mobile Dev, RESTful APIs, Cloud Computing

Certificate/Training

- Software Engineering Program – Teach2Give (2025)
- API Engineer – API Academy
- Cybersecurity Essentials – Cisco Networking Academy
- Cisco Networking Certifications

Community Engagement

- **Google Developer Student Club (GDSC)**—Collaborated on workshops and projects involving Google technologies.
- **TechX Ambassador**—Promoted tech innovation and communities.
- **LUCOSA** - Laikipia University Computer Society Association