

Timothee D. TCHOUAMOU

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Professional Summary

Full-stack software engineer and Linux system administrator with 5+ years of experience building high-performance web applications and distributed systems. Specializes in React, Next.js, TypeScript, cloud-native architectures, CI/CD automation, and frontend performance optimization. Proven ability to own features end-to-end—scoping, designing, developing, testing, deploying, and monitoring production-grade software. Strong understanding of modern web engineering principles, network communication, browser performance, microservices, and secure, scalable infrastructure. Adept at producing pixel-perfect UI, implementing fluid animations, and making well-reasoned architectural decisions.

Core Competencies

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|---|---|
| Front-End Engineering <ul style="list-style-type: none">React, Next.js, TypeScript, ReduxTailwind CSS, CSS3, HTML5Component Architecture, Pixel-Perfect UIAnimations & Transitions (Framer Motion, CSS)Figma to Production Front-End Systems | Backend & APIs <ul style="list-style-type: none">Node.js, Java, PythonREST, GraphQLMicroservices, Authentication, Caching |
| Cloud, Infrastructure & DevOps <ul style="list-style-type: none">AWS (ECS, EC2, S3, CloudWatch), Azure, GCPDocker, KubernetesGitHub Actions, GitLab CI/CDCloudflare CDN, WAFObservability: Monitoring, Logging, Alerting | Systems & Automation <ul style="list-style-type: none">Linux (RHEL/CentOS), SolarisAnsible, PuppetFirewalls, SELinuxLVM, VCS, Cron Jobs |
| Testing & Quality <ul style="list-style-type: none">Unit, Integration, E2E Shift-Left Testing, Performance Debugging & Load Optimization | |

Technical Strengths Aligned With Role Requirements

- Strong urgency, ownership, and ability to drive features independently from ideation to production.
- Proven end-to-end lifecycle experience: scope → build → test → deploy → monitor.
- Exceptional attention to design details; able to deliver **pixel-perfect**, production-ready interfaces.
- Skilled in adding **slick, modern animations** and subtle transitions to elevate UX.
- Deep understanding of **browser rendering, web performance**, and the **network stack** between UI and backend APIs.
- Experienced in building and maintaining robust **CI/CD pipelines** (GitHub Actions, GitLab CI).
- Strong debugging ability: page load, asset optimization, network bottlenecks, and code efficiency.
- Capable of owning architectural decisions and making long-term technical recommendations.
- Experienced in breaking down complex features into clear deliverables with accurate estimates.
- “Engineer-first” mindset: willing to dive deep into frontend, backend, DevOps, or infrastructure challenges.

Professional Experience

Software Engineer

Front End Simplified

| Feb 2024 – Present

- Developed high-performance front-end experiences using React, Next.js, and TypeScript, improving load times by **40% for 1M+ daily users**.
- Integrated complex REST and GraphQL services, ensuring data consistency, fast render times, and seamless session management.

- Built CI/CD pipelines (GitHub Actions) automating build, test, and deployment workflows, reducing release time by **50%** and production defects by **35%**.
- Implemented observability dashboards (logging, metrics, alerts) enabling proactive monitoring and rapid incident response.
- Worked closely with product teams to conduct A/B tests and controlled rollouts, increasing engagement and feature adoption.
- Conducted code reviews to maintain coding quality, modularity, and performance benchmarks.
- Debugged core performance issues including hydration delays, network bottlenecks, bundle size, and caching strategies.

Linux System Administrator

ABC Corporate Business Solution

| Feb 2020 – Feb 2024

- Installed and configured RHEL 7/8/9, CentOS 7/8, and Solaris 10 environments using automated Kickstart provisioning.
- Performed system hardening, patching, version upgrades, and infrastructure maintenance on high-availability servers.
- Managed LVM/VCS configurations, file systems, disk expansion, and system-level performance tuning.
- Automated deployment and configuration workflows using Ansible and Puppet, significantly reducing manual overhead.
- Maintained cron jobs, shell scripts, and monitoring tools for system automation and infrastructure reliability.
- Configured Apache Tomcat, Samba, DNS, DHCP, VPN, SELinux, and firewall rules.
- Led backup and disaster recovery operations, ensuring safe and consistent data protection.

Personal Projects

Portfolio (Aug 2025 – Sep 2025)

- Built responsive personal portfolio using React and EmailJS.
- Achieved **91/100 Lighthouse performance score** (US West) and consistently above 88 globally.

Summarist (Jul 2025 – Aug 2025)

- Developed a real-time auto-service web app using React, Firebase, and modern APIs.
- Implemented instant scheduling, real-time messaging, and admin dashboards.
- Achieved **100% functional email automation** for quotes and inquiries.

Library App (Mar 2025 – Jul 2025)

- Built a responsive service platform using Next.js, Redux, Firebase, and server APIs.
- Added advanced navigation, catalog browsing, and cart features for improved UX.

Education

B.S. Mathematics & Computer Science

University of Yaoundé 1, Cameroon | 2007–2013

- Strong foundation in algorithms, mathematics, and computational problem-solving.

Certified Frontend Development Boostcamp, FES Institute – San Francisco, CA | 2024–2025

Technical Skills: Languages & Frameworks: JavaScript, TypeScript, React, Next.js, Redux, Node.js, Java, Python

Front-End: Tailwind CSS, Bootstrap, HTML5, CSS3, Figma

DevOps & System Admin: Linux (RHEL/CentOS), Solaris, Ansible, Puppet, Docker, Kubernetes

Cloud & Infra: AWS ECS, Cloudflare CDN/WAF, Apache Tomcat, Samba

Testing: Unit, Integration, E2E, Performance Testing

Tools & Processes: Git, Jira, REST, GraphQL, Agile/Scrum

Soft Skills: Problem Solving • Critical Thinking • Attention to Detail • UI/UX Awareness • Communication • Team Collaboration •

Time Management • Ownership • Adaptability • Leadership • Continuous Learning • Documentation

Analytical Mindset • Troubleshooting • Customer-Centric Thinking