

TOCHUKWU UZOCHUKWU

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SUMMARY

Programmer with more than six years of experience building and maintaining web applications. Focused on system performance, test reliability, and keeping long-lived codebases current and secure. Works with AI coding agents to build, review and ship code.

WORK EXPERIENCE

Velaluqa GmbH, Berlin, Germany | Software Developer *March 2022 – Present*

- Build and maintain Rails applications for healthcare and education clients, including a medical imaging platform used in clinical trials.
- Upgraded two production applications from Rails 6.0 to 8.1 and Ruby 2.7 to 3.3, including the Devise 5 and Sidekiq 8 migrations.
- Cut CI test suite runtime by 77%, from 40 minutes to 9, then added parallel and changed-only test runs.
- Found and fixed N+1 queries with Bullet and Prosopite, added PgHero database monitoring, and streamed multi-gigabyte downloads.
- Built REST and GraphQL APIs, including GraphQL mutations with authorization for a React frontend.
- Migrated browser tests from Selenium WebDriver to Cuprite; wrote acceptance tests with Turnip and Capybara alongside RSpec.
- Added Brakeman, bundler-audit and Trivy container scanning to CI, and fixed vulnerabilities as they came up.
- Built a Sidekiq background job system with progress tracking, cancellation and retries, plus user-scheduled recurring tasks.
- Containerized applications with Docker for consistent development and deployment.

Creative Works, Lagos, Nigeria | Backend Developer *February 2020 – November 2021*

- Built and maintained Django web applications at a fast-paced startup.
- Designed REST APIs and worked with frontend developers to ship features efficiently.
- Delivered products on tight timelines using agile practices.

SKILLS

Agentic development	Claude Code, opencode, herdr, multi-agent workflows, reviewing agent-written code
Languages	Ruby, Python, Elixir, HTML, CSS
Frameworks	Ruby on Rails, Django, Phoenix
APIs	REST, GraphQL
Databases	PostgreSQL, MySQL, SQLite, PgHero
Testing	RSpec, Capybara, Cuprite, Turnip, Knapsack
Security	Brakeman, bundler-audit, Trivy
Infrastructure	Docker, Sidekiq, Linux, Git
Platforms	GitHub, GitLab, CI/CD pipelines

EDUCATION

University of Nigeria, Enugu | B.Sc. Pure & Industrial Chemistry (Second Class Upper) *2008 – 2012*

Georgia Institute of Technology (online, edX) | Computer Science Fundamentals & Python *2020*