SOLOMON BARINE AKPURU SENIOR SOFTWARE ENGINEER

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Profile Summary

Senior Software Engineer with 5+ years of experience building scalable web applications, SaaS platforms, and real-time systems. Skilled in both frontend (React, TypeScript, TailwindCSS) and backend (Elixir Phoenix, Ruby on Rails, Django, Laravel). Strong background in CI/CD, system optimization, and API development. Proven track record of collaborating with distributed US/EU teams and consistently delivering high-quality software on time.

Professional Skill

- System Design
- CI / CD
- API Development
- Security and Authentication

Relevant Skill

- Django, Rails, Phoenix
- Postgres, MongoDB, Redix
- React, NextJS, VueJS, NuxtJS
- Docker, GitHub Actions, Nginx

Education

University of Port Harcourt   *2016 - 2023*

Petroleum and Gas Engineering

Work Experience

Founder and Lead Engineer - Toucan   *2025 - Present*

- Founded and led the development of Toucan, a social media app focused on close connections, realtime interaction, and user privacy — rejecting data harvesting and algorithmic manipulation.
- Designed and built a real-time chat system using WebSockets and Phoenix Channels, enabling private one-to-one conversations with custom presence tracking and seamless message delivery.
- Integrated secure authentication flows utilizing JWT and OAuth (Google, GitHub), enabling users to seamlessly access the platform with a 99.9% uptime and complete data protection.
- Built a responsive, theme-aware frontend with dark/light mode toggles, TailwindCSS, and Redux Toolkit for global state management — ensuring a modern, fast, and user-friendly interface.
- TECHNOLOGIES: React, TypeScript, Elixir Phoenix, Postgres, WebSockets, Background Jobs

Software Engineer - Consulting   *Jan 2023 - Present*

- Delivered property rental SaaS platform serving 2K+ landlords and tenants, featuring real-time search with 80% faster query performance through optimized indexing and caching strategies
- Built crypto-fiat exchange infrastructure processing $30K+ monthly volume across 5+ cryptocurrencies, implementing fraud detection reducing chargebacks.
- Architected e-commerce platform for digital art marketplace, integrating Stripe payments and achieving 99.95% transaction success rate with automated reconciliation
- Developed a recommendation engine increasing user engagement by 32% through collaborative filtering algorithms analyzing 8K+ user interactions
- TECHNOLOGIES: Laravel, React, NextJS, NuxtJS, Ruby on Rails, TailwindCSS, Postgres, MongoDB, Redis

Web Developer - Digital Factory   *May 2024 - Jan 2025*

- Improved Core Web Vitals by 20% and reduced load times by 24%.
- Modernized the codebase by upgrading deprecated dependencies and replacing unsupported packages with actively maintained alternatives.
- Migrated the file management system from Paperclip to Active Storage, improving maintainability and compatibility with modern Rails versions.
- TECHNOLOGIES: Ruby on Rails, JavaScript, AWS, Nginx, Postgres, SCSS

Software Engineer - Savasana AI   *Nov 2023 - Feb 2024*

- Built Chrome extension increasing support agent productivity by 50%
- Designed serverless backend architecture using AWS Lambda and API Gateway, reducing infrastructure costs by 23% while improving response times by 12%
- TECHNOLOGIES: Plasmo, TypeScript, Express, JavaScript, Firebase, AWS Lambda

Software Engineer - Syntrix   *Feb 2022 - Apr 2023*

- Developed and shipped new product features in a Django + React application, improving user engagement and usability.
- Implemented background jobs and automated workflows, ensuring timely execution of recurring and heavy tasks.
- Integrated and managed email delivery pipelines, enabling transactional and bulk notifications with high deliverability.
- Enhanced accessibility across the web app (ARIA roles, semantic HTML, contrast adjustments), making the platform WCAG-compliant.
- Containerized services with Docker and set up GitHub Actions for CI/CD, streamlining deployments and reducing release time.
- TECHNOLOGIES: Python, Django, React, TailwindCSS, Docker, GitHub Actions, MySQL

Software Engineer - Horizon Digital   *Sep 2020 - May 2021*

- Designed and built a real-time chat application with secure private channels using WebSockets.
- Implemented robust authentication and authorization, including OAuth integrations, ensuring secure and seamless logins.
- Developed a notifications system (in-app + email), improving user engagement and retention.
- Leveraged Sidekiq to manage background jobs such as message delivery, notifications, and scheduled tasks, reducing app latency.
- Optimized PostgreSQL queries and introduced Redis caching, cutting down response times on frequently accessed endpoints.
- Enhanced UI/UX by building reusable and responsive components with Next.js and Material UI.
- Collaborated on architecture decisions to improve system scalability and reliability, supporting growing user traffic.
- Wrote and maintained RSpec and Jest test suites, improving code reliability and reducing production bugs.
- TECHNOLOGIES: Ruby on Rails, Next.js, Material UI, PostgreSQL, WebSockets, Redis, Sidekiq, OAuth

Interests

- PC Building
- Basketball
- Exploring Emerging Technologies