

# Bola Ahmed Buari

Software Engineering Professional

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**Technically minded and solutions-oriented professional with substantial experience designing and implementing robust, scalable software solutions across various domains, including FinTech and EdTech.**

Track record of delivering complex projects, optimising application performance, and integrating user-friendly interfaces. Proficient in creating and launching high-quality applications to enhance end-user experience. Expert in utilising Ruby on Rails and multiple software to improve application functionality. Astute in developing and using cloud platforms, with a strong focus on architecture design, scalability, security, and cost optimisation. Proficient at improving and maintaining high-scale web applications, including transforming Rails applications to API-only backends. Well-versed in providing strategic leadership to cross-functional teams related to software development, deployment, and maintenance.

## Areas of Expertise

- Software Architecture & Development
- API Development & Integration
- Infrastructure as Code (IaC) & Automation
- Diagnosing & Troubleshooting
- Full Stack Development
- Test-Driven Development (TDD)
- Cloud Security Best Practices
- Team Leadership & Mentoring
- Performance Improvement
- Complex Problem Resolution
- Risk Assessment & Mitigation
- Interpersonal Communication

## Technical Proficiencies

**Programming Languages:** Ruby, JavaScript (ES6+), TypeScript  
**Frameworks & Libraries:** Ruby on Rails, React, Next.js, Nestjs  
**Tools & Technologies:** Sidekiq, Redis, Docker, Kubernetes  
**Database Systems:** PostgreSQL, MySQL  
**Testing Frameworks:** RSpec, Minitest, Jest  
**Version Control & CI/CD:** Git, GitHub, GitLab, CircleCI, TravisCI, Semaphore CI, GitLab CI/CD Pipeline, GitHub Actions, AWS CodeBuild  
**Other Skills:** API Design, Microservices

## Professional Experience

### Freelance

2016 – Present

#### Full-Stack Software Engineer & Consultant

Develop a FinTech utility payment app in Ruby on Rails to streamline airtime, electricity, and cable TV payments and deliver faster transaction processing. Design both front-end and back-end components of web applications, ensuring a cohesive and responsive user experience across devices. Gather requirements, understand business needs, and translate them into technical specifications and actionable project plans. Implement APIs and microservices, facilitating seamless communication between front-end applications and back-end systems.

- Automated B2B data collection processes, achieved a 50% reduction in error rates, and decreased data validation costs for operational efficiency.
- Built job-scraping platform with Next.js, Tailwind, and TypeScript as well as increased client recruitment cycles by 30% through automated job aggregation.
- Developed SEO-optimised landing pages and enhanced international client engagement by 30% through increased online visibility and targeted content strategies.
- Boosted team productivity and collaboration by 40% through real-time task synchronisation whilst creating project management tools with Ruby on Rails and Hotwire.
- Minimised onboarding administrative workload by 25% for efficient enrolment and engineered EdTech enrolment and course management system by using Next.js and NestJS.

### AZA Finance, Lagos, NG (Remote) Senior Ruby Engineer

2022 – 2024

Engineered and implemented scalable Ruby applications to improve performance, reliability, and maintainability of financial software solutions. Led code reviews, providing constructive feedback and fostering best practices within development team to enhance code quality. Optimised existing Ruby codebases, identifying performance bottlenecks and implementing improvements to enhance application efficiency. Performed testing and debugging to identify and resolve software defects, ensuring high-quality releases and adherence to project timelines.

- Reduced costs by 20% and reduced downtime from out-of-memory errors by executing memory optimisation strategies.
- Enhanced CI speed and decreased time-to-market by 40% for feature development cycles by spearheading Ruby and Rails upgrade.
- Boosted payment processing speed by 30% and reliability by 40%, as well as drove 80% revenue growth through integration with payment providers.

### Zammad GmbH, Berlin, DE (Remote)

2021 – 2022

## Software Engineer

Developed and maintained web applications by using modern programming languages and frameworks to enhance user experience and functionality. Collaborated with product managers and designers to gather requirements and translate them into technical specifications and design documents. Implemented software solutions by writing clean, efficient, and scalable code in line with best practices and industry standards. Integrated third-party APIs and services, ensuring seamless functionality across platforms.

- Improved CI performance by 400%, achieved 40% reduction in deployment time, and enhanced developer experience and productivity.
- Designed and implemented multi-select tree feature, advancing client data collection capabilities for efficient and accurate data aggregation.

## Microverse Enterprises Inc., California, US (Remote)

2019 – 2021

### Software Engineer

Directed team supporting 120+ students, delivering technical guidance to both junior and senior code reviewers for improved review quality. Oversaw code review process by establishing best practices and standards to ensure high-quality software delivery across projects. Conducted thorough code reviews for complex projects in compliance with coding standards, security protocols, and project requirements. Analysed code review metrics and feedback, identifying areas for improvement and driving initiatives to enhance overall coding practices. Delivered targeted performance feedback and strategic guidance to junior code reviewers aimed at improving team efficiency and driving productivity improvements. Evaluated and reviewed code submissions from developers to ensure adherence to coding standards, best practices, and project requirements. Identified potential security vulnerabilities and performance issues in code for efficient software solutions.

- Elevated student satisfaction ratings by 20% by building and deploying scalable quality control system for code reviewers.
- Elevated accessibility score by 23% and Lighthouse score by 17%, whilst enhancing overall user experience and interface inclusivity.
- Integrated manual payment functionality into dashboard and streamlined workflows across 3 third-party applications for operational efficiency.
- Standardised code review methodologies by introducing multi-line and permalink reviews.
- Executed 500+ pull request reviews for over 120 students on projects by utilising CSS, HTML, JavaScript, Ruby, and Rails.
- Introduced new features to Student Dashboard Rails application, minimised bugs, and enhanced user experience for seamless functionality.

## Ekefa Alimi Investment, Lagos, NG

2016 – 2019

### Software Developer

Designed and implemented software applications based on project requirements, ensuring functionality, reliability, and user-friendly interfaces. Collaborated with cross-functional teams, including project managers, designers, and QA testers to define project scope and deliver high-quality software solutions. Wrote clean, maintainable, and efficient code, following industry best practices and company standards for software development. Conducted unit testing and debugging to resolve software defects.

- Consolidated over 100K trade census data points by using custom in-house script, optimising data validation process.
- Developed mobile web app, reduced staff costs by 40%, and decreased error rates by 35% for improved accuracy.

## Education & Credentials

Bachelor of Science in Mathematics | University of Benin, Benin, NG

National Diploma in Computer Engineering | Lagos City Polytechnic, Lagos, NG

## Certifications

Cloud DevOps Engineer, Udacity Inc., **2022**

Front End Developer Nanodegree, Udacity Inc., **2020**