

Kingsley Ndzi Bungong

Entry-level Software Engineer with a strong backend focus, experienced in designing and building secure REST APIs, authentication systems, and full-stack web applications. Proficient in Java and Spring Boot, with hands-on experience across databases, cloud deployment, and API testing. Comfortable working across the full development lifecycle, from requirements to deployment, and motivated to grow within a collaborative engineering team.

PERSONAL DETAILS

 kingsleyndzibungong.co.uk | GitHub: [bungongtoto](https://github.com/bungongtoto) | LinkedIn: [kingsley-ndzi-bungong](https://www.linkedin.com/in/kingsley-ndzi-bungong)

TECHNICAL SKILLS:

- **Languages & Frameworks**
Java, Spring Boot (Security, JPA), Node.js, Express, React, TypeScript, JavaScript
Object-Oriented Programming (OOP), MVC
- **APIs & Backend**
REST APIs, JWT authentication, OpenAPI / Swagger, Service-to-Service Communication
- **Databases**
PostgreSQL, MySQL, MongoDB, H2, JDBC
- **Testing & Engineering Practices**
JUnit, Spring Test, Jest, REST API testing (Postman), Agile / Scrum, SDLC, Code Reviews, CI fundamentals
- **Cloud & Tools**
AWS (EC2, RDS, S3, SES), Render, Git, GitHub

PROJECTS:

- **Two-Factor Authentication Service (Java, Spring Boot / Cloud / security, JWT, PostgreSQL, OpenFeign)**
 - Designed using object oriented principles and implemented a backend authentication service supporting password-based login with email verification codes.
 - Implemented time-limited verification challenges with expiry and attempt limits.
 - Built JWT-based access and refresh token flows for secure session management.
 - Integrated with a notification service via REST APIs to deliver verification emails.
 - Persisted authentication challenges in PostgreSQL and validated flows using logs and database queries.
 - Tested API behaviour and edge cases using Postman and JUnit / Spring Test
- **Notification Engine (Java, Spring Boot, PostgreSQL, Thymeleaf, AWS Simple Mail Service)**
 - Designed and implemented a backend service for generating and sending transactional emails.
 - Built REST endpoints to trigger email delivery based on application events and user preferences.
 - Created dynamic HTML email templates using Thymeleaf.
 - Persisted delivery attempts and statuses in PostgreSQL to support traceability and debugging.
 - Added basic retry handling for failed email sends and validated API inputs.
 - Deployed the service to AWS and integrated with Simple Email Service (SES).
- **Full Stack Ecommerce Website (PostgreSQL, React, Node JS, Express JS, Stripe API)**

- Built a full-stack e-commerce application with product management and user authentication.
 - Designed and implemented REST APIs using Node.js and Express.
 - Integrated Stripe to handle secure payment processing.
 - Implemented input validation and basic security measures on backend endpoints.
 - Developed a React frontend consuming backend APIs and handling user interactions.
- **AI Tutor Web App Final Year Project (MongoDB, React, Node JS, Express JS, OpenAI)**
 - Built a full-stack tutoring platform with role-based access for students and administrators.
 - Designed and implemented REST APIs to manage users and tutoring workflows.
 - Implemented authentication and authorization for protected resources.
 - Integrated AI-powered features for question answering and concept explanations.
 - Deployed the system with a clear separation between frontend and backend services.

CAREER HISTORY:

Nov 2024 – Oct 2025 | IT Career Switch | Junior Full-Stack Developer (Training & Project-Based Experience)

- Built backend services using Java and Spring Boot and frontend features using React and TypeScript.
- Designed, implemented, and tested REST APIs with authentication and database integration.
- Investigated issues by reviewing logs, testing API endpoints, and validating database records.
- Deployed applications to AWS and Render and managed code using Git and pull requests.
- Worked within agile workflows and code review practices.

June 2024 – Dec 2024 | Fondation Bilingue Marguerite Marquez | Freelance Full Stack Developer

- Worked with stakeholders to gather requirements for a school management system.
- Developed backend services using Node.js and Express with a React frontend.
- Implemented authentication and REST APIs for administrative workflows.
- Delivered a maintainable solution aligned with user needs.
- Improved student registration and fee payment processing time by approximately 70% by digitising workflows and reducing manual steps.

April 2024 – June 2024 | Camtel Cameroon | Software Development Engineer Intern

- Contributed to Java-based applications using Java EE, JDBC, JPA, and Hibernate.
- Worked with SOAP APIs and tested services using SOAP UI.
- Assisted in building web interfaces using HTML, CSS, and PrimeFaces.
- Gained exposure to enterprise development processes and SDLC practices.

EDUCATION:

- **BSc Computer Science** — ICT University, Cameroon, 2024
GPA: 3.56
- **Junior Amazon Software Engineer Career Certificate** — Coursera, 2025