UMAR BUNYAMINU

Fairfield, Iowa 52556 • +1-641-819-2254 • umarbunyaminu@gmail.com
https://www.linkedin.com/in/umar-bunyaminu412/

JAVA DEVELOPER

Dynamic Software Engineer with over 3 years of experience in designing and developing ERP systems and dynamic web applications. Specializes in Java and Spring Boot for scalable, high-performance solutions and an additional year of robust project based internship as mandatory national service. Proficient in JavaScript, PHP, Angular, and MySQL for full-stack development. Experienced in agile environments, delivering projects across the full software lifecycle. Strong foundation in software architecture, committed to building robust, secure, and user-centric systems. Passionate about continuous learning and innovation to stay ahead of industry trends.

Data Structures • Object Oriented Programming (OOP) • Project Management • Problem-Solving and Debugging
Scalable Solution Architecture • Software Development Life Cycle • Database Management

Languages: Java, PHP, TypeScript
Web: HTML, HTML5, CSS3, HTTP, WebSockets
Web Services: RESTful APIs, SOAP
Web/App Servers: Apache Tomcat, Nginx
Frameworks: Spring, Laravel, Angular, React, Express
Databases: MySQL, Prosgres SQL, Mongo DB
Design Patterns: MVC, Singleton, Factory, Observer, Decorator, Prototype, Adapter, Dependency Injection.
SDLC: Agile Scrum
Tools: Maven, IntelliJ Idea, PostMan, Thunder Client, Npm, Vs code, JUnit, Swagger, GitHub, MySQL Workbench, Postgres
Platforms: Windows

PROFESSIONAL EXPERIENCE

CAREER NOTE: *Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).*

MLGRD, Dunkwa-On-Offin, Ghana • 01/2022 – 10/2023
Client UDEMA - a municipal assembly under the Ministry for Local government

Software Engineer
Full Stack Developer
- Designed and developed the UDEMA Taxman application, automating the generation and distribution of operating permits and bills for business owners using Spring Boot, Thymeleaf, and MySQL Workbench, which resulted in a 30% increase in municipal revenue.
- Created real-time reporting systems for the Billing and Collection Team using Spring Boot, MySQL, and Thymeleaf, enabling immediate access to account information and enhancing decision-making efficiency.
- Integrated driver payment data into the system by leveraging Spring Boot, Spring Data JPA, and MySQL, automating the import of Excel files from a mobile money platform, which reduced manual data entry and improved the accuracy and reliability of financial records.
- Maintained and enhanced an existing attendance tracking system using Spring Boot, Spring Data JPA, and Spring Security, leading to a 50% reduction in manual tracking errors and significantly boosting administrative efficiency through accurate and reliable attendance records.
- Collaborated with department heads and the Coordinating Director to elicit requirements and translate them into user stories, guiding the development, testing, and maintenance of UDEMA's website and desktop-based business applications built on Java enterprise technologies and react.
- Developed and managed databases, writing complex SQL queries and optimizing database performance, ensuring efficient data handling and storage across various applications.

Technologies Used: *Java, Spring, Hibernate, thymleaf, React, Nodejs, Spring Data JPA, MySQL, Git*

AMALITECH SERVICE GHANA, Takoradi, Ghana • 01/2021 – 03/2022
Software solution company.

Software Developer
Full Stack Developer

- Engineered robust server-side logic and intricate business processes using Laravel, ensuring efficient data handling and seamless integration across the application, which optimized performance and streamlined operations.
- Designed and implemented complex data models and database interactions, employing rigorous data validation techniques to maintain data integrity and enhance security, fortifying the system against data breaches and ensuring compliance with industry standards.
- Integrated third-party services and APIs into the backend system, enhancing functionality and adding new features, resulting in a 35% increase in user engagement and a 25% improvement in system versatility.
- Created visually compelling and responsive websites using HTML5, CSS3, and Angular, delivering an intuitive and aesthetically pleasing user experience while boosting performance through advanced optimization techniques like lazy loading and image compression, achieving a 45% reduction in loading times.
- Developed and executed database migration plans, indexing strategies, and caching mechanisms, achieving a 50% improvement in database performance and a 40% increase in scalability, ensuring the system could handle increased loads and adapt to business growth.
- Implemented secure authentication and authorization protocols, including OAuth 2.0 and JWT, while enforcing data security measures and ensuring compliance with regulations, bolstering the application's security posture and safeguarding sensitive user data.

Technologies Used: *Java, Hibernate, JWT, OAuth 2.0, Spring JPA, Spring Security, Angular, TypeScript, Laravel, Git*

INTERNSHIP EXPERIENCE

MINISTRY FOR EDUCATION OF GHANA, Elmina, Ghana • 09/2018 – 08/2019
Government body responsible for overseeing and regulating the education sector.

Software Developer
Web Development

- Designed and integrated a robust academic record management module utilizing Java and Spring Boot, improving data retrieval efficiency by 60% and ensuring real-time access to student performance metrics.
- Deployed a dynamic timetable scheduling module that efficiently allocates resources and manages class schedules, reducing scheduling conflicts by 70% and enhancing overall school operational efficiency.
- Guided and mentored a group of students to achieve second runner-up in the prestigious Nationwide 2019 MTN App Challenge for Senior High Schools, showcasing their innovative skills and creativity on a national stage.

Technologies Used: *Java, Spring, Spring Boot, Spring DataJPA, Hibernate*

ACADEMIC PROJECTS

Maharishi International University (2024) Flight Booking System: I worked on the booking module which allowed customers to book, cancel and update flight and receive e-ticket via customer's email. Utilized Java, Spring Boot, JavaScript, React, PostgreSQL, Hibernate.

Maharishi International University (2024) Daily Diary App: I worked on both the frontend and backend which allowed users to make post and other users to also upvote or downvote the post. Utilized React, TypeScript, Express, MySQL, Tailwind CSS

Maharishi International University (2024) Course Attendance System: I worked on the location module which allows admins to CRUD locations. Utilized Java, Spring Boot, Spring Data JPA, Hibernate, Apache POI, MySQL

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 04/2026)
Maharishi International University, Fairfield, Iowa

Key Courses: Enterprise Architecture, Web Application Programming, Database Management System, Software Engineering

Bsc. Information Technology in Information Technology
University of Cape Coast, Cape Coast, Central Region