

Yahya Fatah

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Backend Developer

Backend Developer with 2 years of experience in implementation, design, testing, and maintenance of software systems using Node.js and JavaScript technology stack. Skilled in both independent project management and collaborative teamwork, contributing from conceptualization through development to delivery. Dedicated to leveraging Agile practices to foster continuous learning, and thriving in cross-functional team environments to drive business objectives. Proficient in Node.js, Typescript, Java, Express.js, Angular, RESTful APIs, MySQL, and MongoDB. Strong background in backend development, coupled with a solid understanding of frontend technologies.

SOLID Principles • Data Structures • Database Management • Security • Version Control • Web Development • CI/CD
Concurrency and Multithreading • TDD • DevOps • Performance Optimization • RESTful API Development

Languages: JavaScript, TypeScript, Java

Web: HTML, CSS, Bootstrap, NodeJS

Web Services: REST

Web/App Servers: Apache Tomcat

Frameworks: Angular, Express.js, Spring Boot

Databases: MySQL, MongoDB

Design Patterns: Singleton, Façade

SDLC: Agile/Scrum

Tools: Maven, Eclipse, IntelliJ IDEA, Git, Docker, Postman, VS Code, AdobeXD

Platforms: Windows, Linux

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).

GHANA RAILWAY DEVELOPMENT AUTHORITY, Accra, Ghana • 11/2021 – 03/2023

The Ghana Railway Development Authority (GRDA) oversees the modernization of Ghana's railway systems.

Backend developer

Built and maintained Web APIs

- Contributed to the development railway ticketing system aimed at simplifying the booking process for train passengers by leveraging Node.js for the backend and Angular for the frontend to create a seamless booking experience, resulting in a 20% increase in ticketing efficiency and a 15% reduction in customer waiting time.
- Utilized Angular features such as Component Based Architecture and Dependency Injection to develop a highly dynamic and interactive user interface, significantly enhancing user engagement and streamlining the overall performance of the application.
- Integrated authentication and authorization mechanisms (JWT) to secure APIs and restrict access to sensitive resources, successfully preventing unauthorized access and enhancing the overall security posture of the application.
- Collaborated with cross-functional teams to troubleshoot and resolve critical system issues, ensuring uninterrupted service for over 3,000 daily users.
- Designed and implemented RESTful APIs to facilitate communication between the frontend and backend systems, ensuring seamless data exchange.
- Maintained high code quality by adhering to Clean Code standards, and implemented rigorous code refactoring and reviews, which resulted in a 30% reduction in bugs and significantly improved maintainability and readability of the codebase.

Technologies Used: NodeJS, HTML, CSS, Angular, Git, SQL

G2 GOVERNMENT SOLUTIONS, Accra, Ghana • 09/2019 – 09/2021

Telecommunications service provider.

IT Support Specialist

Troubleshoot and provided technical support to end users in the company and administering networks.

- Maintained the company's website content, features, and functionality using HTML, CSS, JavaScript, and PHP, wrote and edited code, integrated new features and plugins, troubleshoot issues, and ensured compatibility across different browsers and devices ensuring the website remained updated and fully functional at all times.
- Conducted network server maintenance using tools like Wireshark to improve application speed, achieving a 60% significant performance boost.
- Identified and resolved complex technical issues by diagnosing problems, troubleshooting errors, and implementing efficient solutions to ensure minimal downtime and optimal system performance.
- Assisted in the development and implementation of IT policies, procedures, and best practices using frameworks such as ITIL, ensuring compliance with industry standards and regulatory requirements.
- Oversaw the setup and management of user accounts and access permissions using Active Directory and maintaining security protocols and data integrity.
- Provided expert technical support to end-users, addressing software, hardware, and network-related inquiries promptly and effectively, resulting in a 90% user satisfaction rate.
- Supervised the IT support tickets using ServiceNow by prioritizing tasks based on urgency and impact, and consistently met service level agreements (SLAs) for issue resolution.
- Managed changes to project scope, requirements, and objectives with Microsoft Project, ensuring that any changes are documented, evaluated, and approved according to established change procedures.

Technologies Used: HTML, CSS, JavaScript, WordPress, Zendesk, Wireshark, NGINX, ServiceNow, TeamViewer

INTERNSHIP EXPERIENCE

EPP BOOK SERVICES, Accra, Ghana • 05/2018 – 09/2018

Retail store.

Desktop support

- Diagnosed and resolved hardware and software problems encountered by end-users.
- Installed, configured, and deployed desktop computers, laptops, and other hardware devices. Which included setting up operating systems, software applications, drivers, and ensuring compatibility with the organization's network infrastructure.
- Responded to help desk tickets and service requests submitted by end-users in a timely and professional manner.
- Setup and managed user accounts, access permissions, and security settings on desktop systems, which included creating user profiles, granting, or revoking access privileges, and enforcing security policies.
- Collaborated with other IT teams, such as network administrators, system administrators, and application developers, to resolve complex technical issues.

ACADEMIC PROJECTS

Maharishi International University (2024) Real Estate Management System: The software provides a comprehensive platform for various aspects of real estate management, serving multiple stakeholders including real estate agents, property managers, landlords, and prospective buyers or renters. It allows users to search for properties based on criteria such as location, price range, property type, size, and specific features. The software offers marketing and advertising tools to promote properties and attract potential buyers or renters. Utilized Spring, React, PostgreSQL

Maharishi International University (2024) Course Management Software: The software allows administrators to create and manage course schedules, including defining class times, locations, instructors, and enrollment capacities. It helps avoid scheduling conflicts and ensures efficient use of resources. It allows students to register for courses online through the software's self-service portals, administrators can also manage enrollment, track seat availability, and process registrations efficiently. Utilized Node, Express, TypeScript, Angular

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 04/2026)

Maharishi International University, Fairfield, Iowa

Key Courses: Web Programming, Web Application Architecture, Modern Web Applications, Software Engineering

Bachelors in Information Technology

Ghana Communication Technology University, Tesano, Greater Accra

