

EMMANUEL TSAKPO

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Software Engineer

Skilled Software engineer with extensive experience developing applications and modules in fast-paced, deadline-driven Agile-Scrum environments. Expertise using Node.js, Java, Python, and PHP. Personable team player, Strong communicator, Problem solver with experience collaborating with diverse technical and cross-functional teams to achieve outstanding results.

AREAS OF EXPERTISE

Languages: JavaScript, Java, Python, PHP

Databases: MongoDB, MySQL, PostgreSQL, MSSQL

Design Patterns: MVC, Singleton, Prototype, Observer, Session, Session Factory

SDLC: Agile/SCRUM

Concepts: Microservices, Kafka, ActiveMQ, Monolith, SOA, SOAP

Frameworks: SpringBoot, NodeJS, ReactJS, AngularJS, Symfony,

Django, Express, Zend, MeteorJS, Hibernate, Doctrine

Tools: VSCode, IntelliJ, Postman, Jira, SourceTree, MongoDB Compass, AWS, Jenkins (CI/CD), Docker, Git, JUnit, Mocha, Puppeteer, PHPUnit, GCP

Platforms: MacOS, Windows, UNIX

PROFESSIONAL EXPERIENCE

Software Engineer • January 2021 - October 2022 • a-ICT Group, Oregon, Portland (Remote)

- Managed a \$1 million project for the Health Management System, serving 150,000+ users.
- Developed a comprehensive Health IT platform using MeteorJS, MongoDB, and Docker, benefiting 250,000+ healthcare professionals.
- Supported SUNU SANTÉ's Health IT operations, impacting over 1 million users across 15 African countries.
- Implemented robust security protocols, including data encryption, access controls, and continuous vulnerability assessments, ensuring the protection of sensitive healthcare data.
- Leveraged CloudWatch to monitor system health and performance, providing real-time insights into system behavior and ensuring rapid issue resolution
- Managed and maintained a microservices architecture using Spring Boot, integrated with Kafka, in an AWS environment

Technologies Used: AWS · MongoDB · Java · SpringBoot · Node.js · Docker · Jenkins · Mongoose · CloudWatch · VPN

Back-End Developer • March 2020 - October 2022 • Gozem Africa's Super App , Lomé, Togo – Team Lead from July 2022

- Improved AOS API integration for 1+ million users, boosting data access by 30% and streamlining workflows.
- Integrated NodeJS with 3rd-party platforms, expanding user reach by 20% and improving transactions.
- Led NodeJS tool development, boosting campaign efficiency by 40% and simplifying segmentation.
- Implemented WebSocket Events for real-time map tracking using ReactJS, improving user experience by 25%.
- Redesigned e-commerce features, resulting in a 50% UI improvement and a 35% increase in customer engagement.
- Integrated Google Cloud BigQuery, reducing data analysis time by 60% and enhancing decision-making insights.
- Contributed to UI design, testing, coding, and mobile app APIs, achieving a 90% success rate in high-quality software delivery.

Technologies Used: VSCode · SourceTree · GitLab · Jira · MongoDB Compass · Postman · Node.js · Express · MongoDB · AWS · Git · Redis · RESTful · HTML5 · CSS3 · Bootstrap · JavaScript · AJAX · jQuery · AngularJS · ReactJS · Mocha · GCP

Software Engineer • June 2017 - December 2019 • Ispace Corporation, Lomé, Togo

- Developed <https://came-inter.org/> and using WordPress and MySQL to enhance the organization's online presence.
- Constructed website with WordPress and MySQL, creating an informative platform.
- Created <http://www.molgah.com/> with Drupal and MySQL, offering advanced features.
- Designed a user-friendly web app for efficient shopping store management, utilizing PHP Symfony, MySQL, and JavaScript.
- Engineered a data collection app using Django and PostgreSQL for efficient data management.

Technologies Used: MySQL · GCP · WordPress · PHP · AngularJS · Drupal · Python · Web Services · Postman API · PostgreSQL · Django · Doctrine · Object-Relational Mapping · Symfony · SpringBoot · HTML5 · CSS3 · Bootstrap · JavaScript · MSSQL · jQuery · PHPUnit · GitLab

EDUCATION

Master of Science in Computer Science - Maharishi International University, Fairfield, Iowa

Bachelor of Science in Software Engineering - African Institute of Computer Science (IAI-TOGO), Lomé, Togo