

Mbah Atangana David

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EDUCATION

Bachelor's Degree in Software Engineering

ICTU Yaounde, Cameroon

Expected Graduation: 2025

Coursework: Data Structures, Algorithms, Web Development, Mobile App Development, Database Systems

EXPERIENCE

Frontend Web Developer Lead — Yiel

March 2024 - Present

- Leading frontend web development initiatives using React.js, ensuring high-performance and responsive web applications
- Architecting and integrating RESTful API connections for seamless data flow between frontend and backend systems
- Developing custom Node.js middleware solutions to optimize API communication and enhance application efficiency
- Implementing advanced authentication flows and state management with Redux and Context API
- Orchestrating microservices integration to support scalable web architecture using modern JavaScript frameworks
- Increased page load speed by 40% through code optimization and implementation of lazy loading techniques
- Mentoring junior developers on best practices for frontend development and API integration patterns

Mobile Application Developer — VTC

June 2023 - February 2024

- Developed and maintained multiple mobile applications for Android and iOS platforms
- Integrated payment gateways and third-party APIs for enhanced functionality
- Optimized application performance and reduced load times by 30% through code refactoring
- Participated in agile development cycles with bi-weekly sprints and regular stand-ups
- Collaborated with a team of four engineers to deliver high-quality products on tight deadlines

PROJECTS

FreeMind - AI Mental Health Application

- Developed an innovative AI-powered mental health application using Flutter and TensorFlow
- Implemented natural language processing for mood analysis and personalized support
- Created features including mood tracking, guided meditation sessions, and community support forums
- Integrated emergency resources and professional therapist connection functionality
- Designed with privacy-first architecture to ensure user data security and confidentiality

Sickness Morning and Awareness App

- Developed a comprehensive health monitoring application with advanced symptom tracking capabilities
- Implemented machine learning algorithms to analyze symptoms and provide preliminary health insights
- Created personalized health awareness content delivery based on user health profiles and preferences
- Integrated medication reminders and health appointment scheduling features
- Designed an intuitive dashboard for visualizing health trends and progress metrics
- Incorporated secure data sharing functionality for healthcare provider consultation

Flutter Ridesharing Mobile App

- Created a ridesharing application with user authentication and real-time location tracking
- Implemented Google Maps integration for route optimization and distance calculation
- Developed rider-driver matching algorithm based on location proximity and availability
- Built payment processing system with multiple payment options and receipt generation

Food Delivery Mobile App

- Designed a mobile application for food delivery with Google Maps integration for tracking
- Implemented real-time order status updates and push notification system
- Created vendor portal for restaurant owners to manage menus and process orders
- Developed rating and review system for customer feedback on food quality and delivery

SKILLS

Programming: Java, C++, Python, Dart, JavaScript

Mobile Development: Flutter, Android SDK, iOS Development

Web Development: HTML, CSS, React.js, Node.js, RESTful APIs

AI/ML: TensorFlow, scikit-learn, Natural Language Processing

Tools & Technologies: Git, Firebase, MongoDB, SQL, VS Code, Android Studio, Jira, Figma

Other: Object-Oriented Design, Data Structures and Algorithms, Agile Methodology, UI/UX Design

LANGUAGES

English (Fluent), French (Fluent)