

Ossama Sabri Soliman

Software Developer

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With over three years of expertise in software engineering and the creation of mobile and online applications, I am a highly talented and meticulous software engineer and IT engineer. I can develop scalable, high-performing cross-platform applications using React and Flutter, and I am well-versed in full-stack technologies like HTML5, CSS3, and JavaScript. I am skilled in writing clear, maintainable code, maximizing device performance, and integrating RESTful and GraphQL APIs. I have a great deal of experience in IT engineering, including configuring LANs and WANs, troubleshooting networks, and putting cybersecurity measures in place to safeguard sensitive information and guarantee safe, smooth operations. I am enthusiastic about working in teams, following the newest developments in technology, and implementing cutting-edge solutions in IT infrastructure and software development.

Skills

- **Programming Languages:** JavaScript, TypeScript (React, Next.js), Dart (Flutter), Kotlin, Python, SQL, C++, Go
- **Web Development:** React, Next.js, HTML5, CSS3, Responsive Web Design
- **Mobile Development:** Flutter, React Native (Android, iOS)
- **State Management:** GetX, BLoC, Riverpod, Redux, Provider
- **API Integration:** RESTful APIs, GraphQL, JSON, AJAX
- **System Design:** Architecture (Distributed Systems, Microservices, Event-Driven Architecture), Design Patterns (Clean Architecture, MVC, MVVM, MVP, OOP, SOLID Principles)
- **API Development & Integration:** Backend Frameworks (Node.js, Express.js), Data Handling (GraphQL, RESTful APIs, WebSockets, JSON)
- **Database Management:** SQL & NoSQL (Firebase, MongoDB, MySQL, PostgreSQL, SQLite, Supabase),
- **Real-Time Databases (Firebase Realtime Database, Hive, Room)**
- **Database Management:** Firebase, MongoDB, MySQL, PostgreSQL, SQLite
- **Version Control:** Git, GitHub, GitLab, Bitbucket
- **Testing & Debugging:** Unit Tests, Widget Tests, Integration Tests, API Testing, Tools (Jest, Mocha, React Testing Library, Flutter Testing)
- **Performance Optimization:** Mobile Performance (Efficient rendering, memory management, low-latency real-time interactions), Web Performance (Server-Side Rendering with Next.js, Code splitting, Lazy loading, SEO best practices)
- **Payment Gateways:** PayPal, Stripe, Paymob, Google Pay, Apple Pay
- **Authentication & Security:** Authentication (Firebase Authentication, OAuth2, JWT), Security Practices (Data encryption, SSL Pinning, Secure storage, Authentication best practices)
- **DevOps & CI/CD:** GitHub Actions, Jenkins, Docker, Fastlane, Bitrise, Codemagic
- **Collaboration Tools:** Agile Tools (Jira, Trello, Slack)
- **UI/UX Design:** Figma, Adobe XD, Sketch, Material Design, Tailwind CSS, Bootstrap
- **Monitoring & Analytics:** Firebase Analytics, Google Analytics, Sentry, Crashlytics
- **Networking & IT:** LAN/WAN design, network troubleshooting, IT support, cybersecurity practices

Education

Bachelor's Degree in Information Technology and Computer Science

Faculty of Information Technology and Computer Science, 2018-2022

GPA: 3.58/4.0

Final Year Project: Quiz App with Machine Learning for Automated Answer Correction (Grade: A+)

Project Overview: Developed a cross-platform quiz application for mobile and web, designed to provide an engaging, interactive user experience through automated grading and real-time feedback.

Key Achievements:

- **Machine Learning Integration:** Implemented advanced machine learning algorithms to automatically evaluate and correct quiz answers, significantly improving grading accuracy and operational efficiency.
- **Cross-Platform Development:** Built the application for both **mobile** and **web platforms**, ensuring compatibility and seamless performance across different devices.

Work Experience

Software Developer—Freelance,

May 2023—Present

- Developed and maintained cross-platform mobile applications using **Flutter** and **React Native**, ensuring smooth performance across devices.
- Designed and developed responsive web applications using Next.js, React, HTML5, CSS3, and JavaScript, ensuring cross-browser compatibility and mobile-first design.
- Integrated **Unity animations** and implemented key functionalities like **user authentication**, **game logic**, and **Web3** for cryptocurrency transactions.
- Optimized app performance for real-time interactions, ensuring low-latency gaming and responsiveness across different screen sizes.
- Collaborated with backend teams to integrate **RESTful** and **GraphQL APIs**, enhancing backend connectivity.

Software Developer (internship) Algoriza

July 2022–September 2022

- Contributed to developing scalable mobile applications using **Flutter** and **React Native** and integrated third-party APIs such as **Firebase** and **Google Maps**.
- Developed and maintained scalable web applications using Next.js, React, and JavaScript, delivering fast and responsive front-end solutions with server-side rendering (SSR) for enhanced performance.
- Applied **clean architecture** principles to ensure maintainable, efficient codebases.
- Collaborated with agile teams to meet project goals and deliver high-quality applications.
- Resolved complex software challenges by applying advanced problem-solving skills and contributing to key project deliverables.

Software Developer (internship) EVA Pharma

July 2021–September 2021

- Developed and implemented new software applications, resulting in improved company productivity and enhanced client satisfaction.
- Leveraged expertise in Java, Python, and C++ to write high-quality, scalable code, contributing to the success of various software projects.
- Applied advanced problem-solving skills to address and resolve complex software challenges, ensuring the delivery of innovative and reliable solutions.

IT Engineer (Trainee)—CLS Learning Solutions

July 2020–September 2020

- Gained experience in network management, including LAN/WAN design, router configuration, and firewall management.
- Provided IT support for hardware and software issues, assisting in troubleshooting and resolving network performance problems.
- Implemented cybersecurity measures such as data encryption, firewall rules, and VPN configuration to protect organizational data and systems.
- Monitored and maintained network performance, ensuring high availability and reliability of IT infrastructure.

Languages

- **Arabic**
- **English**