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I'm a passionate mobile developer with more than 6 years of experience proficient in the latest iterations of Kotlin, Swift and Dart. I have a bachelor's degree in computer science from Cairo University. My main responsibilities revolved around building native Android, iOS, and Flutter mobile apps, testing, debugging apps, and developing updates to improve app usability.

EXPERIENCE

Software Developer

02/2022 - Present

Appsfactory GmbH, Munich, Germany

- Delivered 4 applications in media, e-commerce, health, and service domains with Android and Flutter.
- Developed a tool to convert legacy Android app properties files into JSON format, successfully handling complex data such as animation positions, background sounds, and narrator sounds.
- Created a template for new projects using Mason CLI to be used for future projects, reducing time consumed on setup and improving efficiency.
- Engaged in workshops by introducing insights and ideas, challenging proposed solutions, and finding gaps in them.

Senior mobile engineer

02/2021 - 12/2021

Ureed.com, Dubai, UAE. Remote

- Developed and maintained a cross-platform freelancer application using Flutter, enhancing user experience and functionality..
- Implemented real-time chat features in native Kotlin (Android) and Swift (iOS) apps for seamless communication between employers and freelancers.
- Integrated WebSockets and push notifications for reliable and timely messaging.
- Collaborated with backend teams to design and implement APIs for user authentication, job postings, and chat functionalities.

Software engineer

07/2017 - 02/2021

SilverKey Technologies, Cairo, Egypt

- Developed and published multiple Android applications on the Google Play Store across diverse sectors including media and e-commerce.
- Mastered Flutter during its beta phase, acquiring comprehensive proficiency in the framework ahead of its official release.
- Mentored and trained 2-3 interns and employees to work with Flutter.
- Led the development of B2B and B2C e-commerce applications for a startup, Seven, specializing in the grocery business sector, incorporating features such as offline sales, barcode scanning, and card payment integrations.

EDUCATION

Cairo University
BSc. degree in Computer science

Cairo, Egypt
09/2013 - 09/2017

SKILLS

Languages: English (B2), German (A2)

Android Development: Java, Kotlin

Cross-Platform: Flutter

Web Development: Flutter web

Programming Languages: Dart, Kotlin, Swift, Java

Database Systems: SQLite, NoSQL

Version Control: Git, SVN

Testing: UI testing, Unit testing

Technologies: Bloc, Riverpod, Redux, Hive, Dio, JSON, REST, GraphQL, Intl, Freezed, Auto_route, Go_router, CI/CD, Injectable, Getit, Mocktail, Firebase, DDD

PROJECTS

Camion

- Created Camion using Flutter and Flutter Web to digitize and optimize supply chain management, offering seamless app and website functionality.
- Created a simple UI/UX for shippers and fleet operators to easily place and assign orders, enhancing user experience and operational efficiency.
- Built a GPS-based tracking system with real-time database updates for accurate and instant fleet tracking.

Deutschland.de

- Developed a dynamic Flutter application designed to present up-to-date news interactively.
- Established support for a diverse range of languages, enabling access to content in ten distinct languages.
- Ensured enhanced accessibility by incorporating Enlarge Text functionality, optimizing readability for all app content.

Pixi bücher

- Developed collection of seven engaging storybook applications tailored for children.
- Incorporated interactive animations on each page of the stories, enhancing the immersive storytelling experience.
- Integrated a narrator sound feature, bringing characters and narratives to life through captivating audio enhancements.

Seven for business

- Developed a streamlined application designed to simplify order tracking and fulfillment processes.
- Engineered a user-friendly Inventory Management System within the app, enabling merchants to effortlessly manage their product inventory by adding, updating, and deleting items.
- Implemented an automated inventory synchronization mechanism to prevent instances of overselling products that are currently out of stock.
- Seamlessly integrated barcode scanner functionality into the sales process, empowering merchants to efficiently sell products using barcode scanning technology.

ACHIEVEMENTS & CERTIFICATES

- LinkedIn Learning Communication Foundation 05/2024
- Google's Flutter Hackathon Hack20 06/2020
Within a span of 48 hours (about 2 days), my team and I swiftly crafted the Cheffresh app, propelling us into the pre-final stage of a prestigious global competition. Our achievement stands out among 400 competing teams globally
- Udacity Android Developer Nanodegree 03/2018

VOLUNTEER EXPERIENCE

Tech Volunteer

07/2024 – Present

StarCode eV, Germany

- Assisted in developing internal-use applications using Flutter.
- Contributed to creating course materials for school girls.

Flutter Mentor

08/2021 – 04/2024

OSC - Open-Source Community, Remote

- Instructed and mentored undergraduate students in mastering Flutter development techniques.
- Conducted thorough code reviews to provide constructive feedback and enhance student comprehension.
- Assigned practical tasks to reinforce theoretical knowledge and encourage hands-on learning experiences.
- Conducted regular one-on-one meetings with students to discuss their progress and address any challenges they encountered.