Marko Kostich

PHONE +357 97642612 • **E-MAIL** markokosticdev@gmail.com • **LINKEDIN** linkedin.com/in/markokostich

PROFESSIONAL SUMMARY

*Vision-driven change agent with a career-long record of full-stack engineering
focusing on web and mobile application development for leading organizations*

Results-driven, accomplished, multilingual Software Developer highly regarded for developing web and mobile applications that meet and exceed demanding corporate and client requirements. Sought for superb analytical skills, with the ability to solve challenging problems using a combination of industry-standard and cutting-edge technologies, delivering clean, well-structured code. Skillset to work compatibly with clients to understand requirements and develop products that exceed quality expectations with on-time delivery. Strong leadership skills with experience working in a team environment, able to collaborate with individuals from diverse backgrounds.

CORE COMPETENCIES

- Full Stack Engineering
- Application Development
- Troubleshooting
- Web Development
- Database Design
- Client Relations
- Mobile Development
- Process Optimization
- Team Management

PROFESSIONAL EXPERIENCE

FLY AND SHARE, LONDON, UNITED KINGDOM, JAN 2024 — PRESENT
PRINCIPAL SOFTWARE ENGINEER
- I designed a product with brand designs, component designs, all page designs and flows, and published designs in Figma from the client's initial wireframes.
- Modeling data and creating a backend for administration of it using GCP Functions.
- I have integrated Authentication, Remote Config, and Push Notifications.
- Integrating APIs for Duffle (flight search), Google Maps (places), and OpenAI (recommendations and image generation).

INNERGUIDE, LONDON, UNITED KINGDOM, MAR 2023 — JAN 2024
PRINCIPAL SOFTWARE ENGINEER
- I have designed, developed, and published InnerGuide(https://innerguide.app), a mobile app that generates custom guided meditation using OpenAI and Azure TTS/Google TTS/AWS TTS
- To do so I developed and published a Flutter package that helps developers to integrate Cloud Text-To-Speech(https://pub.dev/packages/cloud_text_to_speech) from Google, Microsoft, and Amazon with a single interface and prevent vendor locking.
- I have implemented a lot of features like Remote Config, A/B testing, Push Notifications, Home Widgets, Subscriptions, Banner Ads, Converting Anonymous users to real ones, and others.
- On top of Firebase I have created a backend using cloud functions to execute logic.

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MYNEWEARTH (FORMER CONSCIALINK), LIMASSOL, CYPRUS, MAR 2023 — MAR 2024
PRINCIPAL SOFTWARE ENGINEER
- Spearheaded the development of a holistic services marketplace app(https://mynewearth.app) on iOS and Android, utilizing Flutter and Dart for front-end and Django and Python for back-end operations.
- Integrated a subscription model granting users credits, and implemented a robust payment processing system to ensure seamless transactions.
- Incorporated push notifications to enhance user engagement and timely communication with subscribers.
- Established an agile deployment pipeline on Heroku, promoting scalability and swift responsiveness.
- Fostered a developer-centric environment, facilitating quick iteration and leveraging tools like Jira for efficient team communication and collaboration.

ACTIONRUN, LIMASSOL, CYPRUS, JUL 2022 — JUL 2024
PRINCIPAL SOFTWARE ENGINEER
- Designed, developed, and published ActionRun(https://actionrun.app), a mobile app that offers personalized fitness tracking and guided running sessions.
- Utilized Flutter and Dart for the front-end development to ensure a seamless user experience across iOS and Android platforms.
- Implemented features such as Remote Config, A/B testing, Push Notifications, Home Widgets, Subscriptions to enhance user engagement.
- Developed a comprehensive backend using Firebase Cloud Functions to manage app logic and data.
- Integrated APIs for various fitness tracking functionalities to provide real-time feedback and recommendations for users.

IRADAR DATA, OTTAWA, ONTARIO, CANADA, MAR 2022 — MAR 2023
CHIEF TECHNOLOGY OFFICER
- Implement a monorepo code management system and establish clear guidelines for code sharing, testing, and documentation.
- Standardising code and update dependencies to address security concerns and reduce errors between microservices.
- Create a developer-friendly environment, establish a proper deployment pipeline, and implement regular backups to improve the overall development experience.
- Managing the development team, establish clear roles and responsibilities, and implementing effective communication and collaboration tools to improve team efficiency and productivity.

THE MILL ADVENTURE, SLIEMA, MALTA, JUNE 2022 — NOV 2022
SENIOR FRONT END DEVELOPER
- Develop and maintain new components for dynamic creation of UI using the backend.
- Create and style product UI for different brands by client design.
- Develop and maintain unit, integration and E2E tests for the frontend application.
- Technologies utilized JS/TS (Angular), AWS Lambda, DynamoDB, MongoDB, GitLab, Jira, and Confluence.

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AMDOCS, LIMASSOL, CYPRUS, APRIL 2018 — JUNE 2022
SENIOR SOFTWARE DEVELOPER
- Engineer innovative telecommunication software and platforms to optimize operations of major global telecommunication providers such as AT&T, Comcast, T-Mobile, Rogers, BT, EE, Astro, and others.
- Develop, update, and maintain a platform to deliver customized bills to end customers by displaying custom messages and advertisements for scenarios that may occur.
- Test software to identify, troubleshoot, and resolve any issues and restore full functionality.
- Program product components using various languages, technologies, and tools, such as Java (Spring, Hibernate, FX, FOP), JS/TS (React, Angular), Kafka, OracleDB, Couchbase, OpenShift, AWS, Azure, Docker, Vagrant, Jenkins, GitHub, Bitbucket, Jira, and Confluence.

BELGRADE, SERBIA, SEPTEMBER 2014 — APRIL 2018
FREELANCE SOFTWARE DEVELOPER
- Constructed customer support systems for various start-ups and other companies to enhance the customer experience.
- Conducted extensive research into customer needs to develop user-centred support systems.
- Created expert systems for helping operators to solve customers issues by asking them simple questions and analyzing them to get the solution.
- Leveraged various programming languages, technologies, and tools to deliver products, including PHP (Laravel), JS (Vue, jQuery), MySQL, SQLite, Vagrant, GitHub, and Trello.

WEB-DIZAJN.RS WEB STUDIO, BELGRADE, SERBIA, SEPTEMBER 2010 — SEPTEMBER 2014
SOFTWARE DEVELOPER
- Designed and developed several websites and applications based on custom CMS tailored to fit customers needs.
- Gathered client requirements to build custom products, ensuring implementation of all required components.
- Communicated with clients to provide updates, gather feedback, and implement modifications as needed.
- Some of the projects were spenderella.rs (e-commerce website), wrft.rs (e-commerce website), zlatarskaradnja.rs (e-commerce website), luna-decor.com (gallery website), and promoterzemun.com (company website).
- Built website and application components using various programming languages and technologies, such as PHP(WordPress, Magento), JS (jQuery), MySQL, GitHub, and Trello.

PROJECT EXPERIENCE

CLOUD TEXT-TO-SPEECH, LONDON, UNITED KINGDOM, JUL 2023 — PRESENT
CREATOR AND SOFTWARE DEVELOPER
- Designed, developed, and published the package, initially for Flutter and later ported to Node.js.
- Provided a single interface to integrate text-to-speech services from Google, Microsoft, and Amazon, preventing vendor lock-in.
- Implemented universal and provider-specific configurations to utilize and access unique features of each text-to-speech provider.
- Developed features such as SSML sanitization, locale management in both English and native languages, and configurable output formats, speech rates, and pitches.
- Created extensive documentation and a robust testing framework to ensure high-quality performance.
- Leveraged Dart and Node.js along with cloud functions for efficient API interactions.
- Enabled rapid implementation of text-to-speech functionalities across various applications, enhancing accessibility and user experience.

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ChessEyes, Limassol, Cyprus, February 2021 — Aprile 2021
SOFTWARE ARCHITECT
- Worked on web application/SaaS designed to analyze chess games played on popular chess game platforms, such as liChess and Chess.com.
- Program the platform to analyze various openings for particular games.
- Include a functionality recommending videos and books to the user for improving chess skills.
- Incorporate project components using PHP (Laravel), JS (Nuxt, Vue), GraphQL, MySQL, Vagrant, Bitbucket, Jira, and Confluence.

Preslovi me, Belgrade, Serbia, August 2018 — October 2020
SOFTWARE DEVELOPER
- Created a browser extension to translate alphabets of plain text, documents, and websites for languages that use multiple alphabets.
- Adjusted functionalities, making it possible to exclude words from translations and ensuring the extension remembered to do this in future translations.
- Utilized JS (Vue, jQuery), SQLite, Bitbucket, Jira, and Confluence to develop project components.

DHC (Domain and Hosting Checker), Belgrade, Serbia, June 2016 — March 2018
SOFTWARE DEVELOPER
- Developed a web application/SaaS designed to keep track of all domains, hostings, clients, and their analytics.
- Introduced a tool to enhance client productivity by efficiently and effectively managing their resources.
- Programmed application components using PHP (Laravel), JS (Vue, jQuery), MySQL, Vagrant, GitHub, Jira, and Confluence.

The Engineering School "Zemun", Belgrade, Serbia, September 2010 — June 2014
SOFTWARE DEVELOPER
- Designed, updated, and maintained a website for the school.
- Participated in various competitions to develop projects such as custom CMS, CRM and election analytics.
- Created the website using PHP (WordPress), JS (jQuery), MySQL, and Trello.

EDUCATION AND CREDENTIALS

Bachelor of Applied Science (B.A.Sc.) in Computer Software Engineering, 2018
The School of Electrical and Computer Engineering of Applied Studies, Belgrade, Serbia

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Technical Proficiencies

Web Programming:
- Front-end: JS (React, Angular, Vue, jQuery), CSS (SASS, LESS)
- Back-end: JS(Nest, Express, Node), PHP (Laravel, Symfony, WordPress), Java (Spring)

Mob Programming:
- Dart (Flutter), JS(Capacitor, Ionic)

App Programming:
- Java (FX, Swing), Python (QT, WX)

API Programming:
- Rest, GraphQL, Postman, Insomnia

DevOps Tools:
- GIT, Jenkins, Docker, Vagrant

Database Design:
- OracleDB, PostgreSQL, MySQL, SQLite, Firebase

Graphic Design:
- Photoshop, Gimp, Inkscape

Organization Tools:
- Jira, Confluence, Trello

Volunteerism

UMREŽAVANJE, BELGRADE, SERBIA, MARCH 2017 — APRIL 2018
LOGISTICS MANAGER
- Donate time to organize tech conferences during and prior to an event.
- Create an event form, send invitations, as well as update and maintain a list of participants.
- Serve as IT support in the field to ensure the event runs smoothly.

AIESEC, BELGRADE, SERBIA, JANUARY 2017 — JUNE 2017
SALES TEAM MEMBER
- Organize and facilitate language workshops of foreign students in elementary schools with the school principal.
- Contact foreign students who should attend, and hold language workshops for them.
- Assist foreign students on the first day of their internship, guiding them from accommodation to the elementary schools.

Additional Information

Languages: English, Russian, Serbian
Interests: sports (swimming, cycling, skating, basketball), music, literature, science