Matthias Ernst

Senior Kotlin Multiplatform Software Engineer / Consultant

✉ matthias@ernstconte.com   in Matthias Ernst

🌐 https://www.ernstconte.ch

Employment History

2022 – ····	▮	**Ernst & Conte GmbH, Baar, Switzerland,** Senior Kotlin Multiplatform Software Engineer - Partner (7)
2021 – ····	▮	**ZKB, Zürich, Switzerland,** Senior Kotlin Multiplatform Software Engineer (6)
2022 – 2023	▮	**Toyota Group, Motix, London, UK,** Kotlin Multiplatform Consultant (5)
2022 – 2022	▮	**Almer Technologies AG, Bern, Switzerland,** Kotlin Multiplatform Consultant (4)
2019 – 2021	▮	**ti&m, Zürich, Switzerland,** Mobile Software Engineer (3)
2017 – 2018	▮	**Saeki Japan Co. Ltd., Fukuoka, Japan,** Business Management (2)
2016 – 2018	▮	**FHNW, Brugg, Switzerland,** President students.fhnw (1)

Education

2015 – 2019	▮	**B.Sc. Computer Science, FHNW** in Switzerland.
2017 – 2018	▮	**International Business Management, Seinan Gakuin University** in Japan.

Skills

Languages	▮	Swiss German, German, English, Japanese, French notions
Coding	▮	**Kotlin and Kotlin Multiplatform:** Developed proficiency in Kotlin and Kotlin Multiplatform over years of exposure in multiple environments - professional, academic, and through continuous passion-driven self-learning since 2014.

Multiplatform Compose: Proven expertise in leveraging Multiplatform Compose to develop robust and consistent UI components across Android, iOS, and desktop. Mastery of Jetpack Compose allows for the delivery of reusable and responsive interfaces, keeping commitment to quality and modern design at the forefront. Strives to streamline development processes, minimizing code duplication across platforms.

Android: Earned considerable expertise in Android development beginning from 2014. Practical experience acquired from previous roles, academia, and independent studies.

Misc: iOS, Git, CI/CD, Docker, nginx, Firebase, Swift, Fastlane, Java, Scrum, SAFe, Agile, Github & Github Actions, Gitlab & Gitlab CI, TDD, XP. The aforementioned skills drawn from a diverse mix of professional roles, academic projects, and self-guided study.

Employment Details

7 ▮ As a Partner and Senior Kotlin Multiplatform Software Engineer at Ernst & Conte GmbH, my broad scope of responsibilities includes active involvement in all stages of internal project execution - planning, development, testing, and deployment. Additionally, as part of my managerial responsibilities, I contribute to company strategy, manage finances, and liaise effectively with clients to understand requirements and ensure their expectations are met to the highest standards.

6   ■   As a Senior Kotlin Multiplatform Software Engineer at ZKB, I lead the technical drive for the 'frankly 3a' project. My role involves extensive Android and Kotlin Common development, levering the power of Kotlin Multiplatform to build robust, efficient and scalable mobile applications. In tandem, I also dabble in iOS development, expanding my skill set by writing Swift code. I am consistently collaborating with cross-functional teams to ensure project milestones are met and contribute to consistent advancements in code quality and application performance.

5   ■   As a Kotlin Multiplatform Consultant for the Toyota Group, I've played a key role in developing a white-label Kotlin Multiplatform SDK, leveraging it within a React-Native frontend. This critical project required me to devise effective strategies for the collection of telemetry data and implementation of low-level bluetooth/BLE on both iOS and Android platforms using Kotlin Multiplatform. As a consultant, I have provided technical leadership, forged strong relationships with key stakeholders, and navigated complex challenges to ensure the successful delivery of the project.

4   ■   Participated as an expert reviewer for the Android and Kotlin Multiplatform codebase of Almer Technologies. Provided valuable and actionable insights, which were promptly incorporated within the codebase. Also served as a knowledgeable advisor on Kotlin Multiplatform related queries.

3   ■   At ti&m, I worked as a Mobile Software Engineer, where I diligently contributed to numerous projects within the banking and insurance sectors. Notable projects include my substantial work on acclaimed platforms such as Helsana+ and LGT. My primary focus revolved around Android development and Kotlin Multiplatform, ensuring high-quality and efficient application performance. I actively collaborated with a diverse team of developers and communicated with stakeholder teams, ensuring seamless integration and coherence of our applications with the entire system.

2   ■   While pursuing my studies in Japan, I gained valuable work experience at Saeki Japan Co. Ltd. This unique opportunity allowed me not only to improve my language skills but also develop an understanding of Japanese business culture and etiquette. My responsibilities involved handling business relations with international customers and exporters, primarily facilitated through communication in Japanese, English, and German. This multicultural and multilingual environment vastly improved my cross-cultural competency, business acumen, and language proficiency.

1   ■   During my academic pursuits at FHNW, I was elected as the President of our main student organization. In this key role, I led and effectuated substantial restructuring within an organizational unit comprised of around 12,000 members. My responsibilities encompassed strategic planning, decision-making, and coordinating with other organizational leaders, which further enabled us to deliver high-quality events and services to our members. Being at the helm of such a large organization demanded exceptional leadership and organizational skills, fostering a learning environment that greatly enriched my managerial capabilities.