

RAPHAEL WICHMANN

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Creating exceptional products is my passion. Right now, I'm especially excited about integrating Gen AI, LLM, and RAG, into applications to help companies unlock the full potential of their data.

With 25+ years of experience, I've developed native mobile, web, and backend apps using TypeScript, Swift, React Native, React.js, Node.js, Next.js and more. I bring expertise in coding, design, and UX, coupled with an entrepreneurial mindset.

As a freelancer, I work seamlessly with teams or independently manage projects from concept to completion.

KEY PROJECTS

EnBW AI Chatbot, This Is Learning! GmbH & Co. KG (08/2024 - 11/2024)

Developed an AI- and RAG-based internal chatbot for EnBW, enriched with company-specific documents to improve access to internal knowledge.

CASC / Ovuly App, Mobile Healthscare Solutions GmbH (12/2020 - 11/2024)

Co-founded and led tech development for the CASC and Ovuly apps and backend, creating a computer vision algorithm for precise at-home medical test recognition and a recommendation algorithm based on results. Enabled users to independently conduct and analyze medical tests at home.

Balloon / Hirschhausen App, MissionMe / Gruner + Jahr Deutschland GmbH (11/2018 - 08/2021)

Developed the Balloon (meditation) and Hirschhausen Diät (fasting) apps for iOS and Android with React Native, integrating advanced GraphQL caching for optimized, responsive data handling across platforms.

S-Apps, Star Finanz GmbH (08/2017 - 06/2018)

Swift development for Germany's top finance app (S-App) and the digital banking app yomo. Set up a Calabash-based UI testing framework for natural language test creation and introduced a new architecture to improve scalability and maintainability.

Lindbergh Labs inc., Berlin / San Francisco (05/2014 - 12/2014)

Co-founded a startup with Jawed Karim (YouTube co-founder) and Found Fair Ventures, focused on pioneering advancements in video technology and applications.

WunderCar, Wunder Mobility Solutions GmbH (11/2013 - 05/2014)

As first engineer, launched the WunderCar app on iOS in just three months, directly challenging Uber's mobility concept with a localized ride-sharing model. The company has since raised \$70 million in funding.

Splittr (01/2013 - Present)

Developed Splittr, a top-rated expense-splitting app for iOS and Android with 1M+ downloads and 80,000 monthly users. With real-time sync, offline functionality, and a 4.9-star rating, Splittr simplifies group expenses for travelers and friends. Featured in The New York Times and The Guardian.

IntelliDrink (08/2011 - 08/2017)

Developed IntelliDrink, a BAC calculator for iPhone with 500,000+ downloads. A science-based algorithm enables real-time BAC tracking with customizable limits and alerts. Featured by BuzzFeed, CNN, and used in research by Dr. Gary Rosen (USC) and Dr. Robert Leeman (UFL).

WORK EXPERIENCE

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| 01/2006 – Present 05/2010 - present | Fullstack Developer, RWichmann GmbH, Hamburg Developing native iOS/Android, web and backend apps for clients like EnBW (Good School), Greenhouse Innovation Lab (Gruner+Jahr), Starfinanz (S-Apps, yomo), OMR, eSailors (Tipp24), Acando (Olympus), Lindbergh Labs, WunderCar, 3M, Gigalocal, Mercedes-Benz (Jung von Matt), as well as personal projects Splittr, IntelliDrink, EggMaster, and iKicker. |
| 01/2006 - 02/2011 | Developed ActionScript applications for clients including Audi, Coca-Cola, McDonald's, Nike, Volkswagen, Deutsche Telekom, Nivea, Sony, Olympus, and agencies such as Scholz & Volkmer, Tribal DDB, Kolle Rebbe, Plan.NET, Rapp Collins, Publicis. |
| 03/2009 – 12/2012 | Instructor, SAE Institute, Hamburg Tought courses about ActionScript programming and game development. |
| 02/2004 – 04/2004 | Frontend Developer (Freelance), Fusefarm Interactive Ltd., Sydney Freelance ActionScript development. |
| 08/1999 – 12/2005 02/2002 - 12/2005 | Frontend Developer, Springer & Jacoby Digital GmbH, Hamburg Lead developer responsible for Flash production, leading freelance developers, and developing ActionScript applications for clients such as Coca-Cola, Mercedes-Benz, McKinsey & Company, Smart, TUI, Maurice Lacroix, Olympus. |
| 08/1999 - 02/2002 | Completed Apprenticeship |

SKILLS

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| Languages | TypeScript, Swift, JavaScript, Objective-C, Some Python, C and C++ |
| App Frameworks | React Native, React.js, Redux.js, Next.js |
| Platforms & Tools | Firebase, GCP, Azure, GraphQL, REST APIs |
| Databases | NoSQL, SQL, Vector Databases |
| AI & Data Science | Generative AI (Gen AI), Retrieval-Augmented Generation (RAG), Prompt Engineering |
| Architecture | MVC, MVP, MVVM, Functional Programming, OOP |
| Dev. Practices | Clean Code, CI/CD, Unit/UI Testing, GitFlow, GitHub Actions, Code Reviews, Pair Programming |
| UX / UI Design | Proficient in UX and interface design, with a strong grasp of design principles and usability |
| IoT | Arduino, Raspberry Pi, Smart Home, Home Assistant |
| Design Tools | Figma, Sketch, Miro, Canva, Adobe CS (Photoshop, Illustrator, After Effects, Premiere) |
| Agile Methodologies | Scrum, Kanban, Agile workflows |
| Teamwork | Strong team player with the ability to adapt to and enhance team processes |
| Analytical Problem Solving | Skilled in understanding complex technical and business requirements and translating them into effective solutions |
| Self-Management | Highly self-motivated, capable of independently managing tasks and achieving goals with minimal supervision |