



Charles Zimmerlin

Software Engineer • Cloud & Full-Stack

+33 (0)6 52 57 67 53 | charles-zimmerlin.com | French (Native), English (C1), German (C1)

SKILLS

Technical skills	TypeScript React Next.js Angular CSS Tailwind Python Java Git REST GraphQL Docker AWS Figma UX Design Agentic Coding
Professional skills	Agile Methodology Software Architecture Code Clarity Software Testing Lean IT Public Speaking UI/UX Collaboration

WORK EXPERIENCE

Software Engineer	Genedata AG Basel (CH) September 2024 – Present
- Build high-performance software for genomic data analysis and visualization in the biotech industry - Develop React-based user interfaces consuming REST APIs for scientific applications - Collaborate with backend engineers on NF-based pipelines for NGS (Next-Generation Sequencing) data processing - Work in an agile team, participating in sprint planning, reviews, and daily stand-ups - Ensure robustness and scalability through unit, integration, and E2E tests, as well as profiling and optimization of code - Presented at internal conference “Dream, Code, Market, Crash, Repeat”, a talk on the solo mobile app developer journey	
Full-Stack & Mobile Developer	Freelance Colmar (FR) August 2021 – September 2024
- Developed and deployed web applications (SaaS, landing pages, showcase websites) using React and Next.js - Conceived and launched 12 personal iOS apps in React Native and SwiftUI, including user-friendly interfaces - Managed end-to-end product lifecycle: project management, client communication, invoicing - Collaborated with local customers, alongside academic studies	
Trainer and Lecturer in Web Technologies & Mathematics	ICAM Strasbourg (FR) September 2023 – February 2024
- Designed and conducted lectures, practical sessions and assessments - Web technologies for bachelor’s students: UI/UX (in Figma), responsive design and HTML/CSS development - Mathematics for engineering students: analysis, linear algebra and differential equations - Professional training workshops: introduction to network architecture (OSI, TCP/IP and cybersecurity fundamentals)	
Full-Stack Developer Intern	ALTEN Strasbourg (FR) March 2023 – August 2023
- Architected and developed an internal CRM - Technical stack: Angular, Spring Boot, Python, Docker, Azure, Kubernetes, Terraform - Experience as a Product Owner and Scrum Master in an 8-member team (rotating roles)	
Frontend Developer Intern	WebGate Consulting AG Zürich (CH) May 2022 – September 2022
- Designed and developed an advanced meeting planning tool "GoodMeeting" (Microsoft Teams application) - Developed a responsive frontend in 4 months using React and FluentUI - Coordinated with backend developers within a Scrum workflow	

EDUCATION

Arts & Métiers Engineering Degree ECAM Strasbourg-Europe, France	2018 – 2023
Computer Sciences specialization, graduated with “Avenir” award for high performance	
Academic Exchange (ERASMUS) Hochschule Kaiserslautern, Germany	2019 – 2020
1 st year of Bachelor’s Degree in Mathematics EPFL, Lausanne, Switzerland	2017 – 2018

CERTIFICATES

Meta iOS Developer	June 2024
IBM DevOps and Software Engineer	June 2023
IBM Cybersecurity Analyst	January 2022
Google UX Design	August 2021

HOBBIES

Trombone (15 years at the Colmar Music Conservatory), running, fitness, skiing, drone filming, mobile app creation