

Ulrich Scheller

Technology Lead - Backend, Cloud & Mobile Engineering



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German (native) | English (fluent)

PROFILE

Independent technology lead and software engineer with deep experience building and operating mobile, backend, and cloud platforms. Combines hands-on engineering across Kotlin, Python, AWS, and infrastructure with leadership of distributed teams, release management, and pragmatic process improvement.

RELEVANT STRENGTHS

BACKEND & CLOUD Python, FastAPI, AWS, Kubernetes, Terraform and CI/CD	MOBILE Kotlin, Java, Android SDK, Android TV and release management	LEADERSHIP Distributed teams, hiring, delivery processes and quality
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CORE SKILLS

AI & Data	RAG, LiteLLM, DSPy, AI assistant development, data processing
Mobile	Kotlin, Java, Android SDK, Coroutines/Flow, Android TV, Firebase
Backend & Cloud	Python, FastAPI, Flask, AWS, Kubernetes, Terraform, Infrastructure as Code, CI/CD
Leadership	Technical leadership, distributed teams, hiring, release ownership, Scrum/Kanban

PROFESSIONAL EXPERIENCE

Jessyworks AI Assistant Platform Tech Lead / Backend & DevOps Engineer (Contractor) Leads backend and infrastructure delivery for an AI assistant platform on AWS and Kubernetes. Hands-on AI scope includes RAG, LiteLLM and DSPy alongside Python/FastAPI development. Introduced infrastructure as code, CI/CD, automated testing, and core engineering workflows. Screened more than 180 applicants and helped build a three-person engineering team. Stack: RAG, LiteLLM, DSPy, AWS, Kubernetes, Terraform, Python, FastAPI, GitHub Actions	Feb 2025 - Present
1&1 Internet AG GMX, WEB.DE, Mail.com & 1&1 Android Developer / Release Master (Contractor) Implemented local full-text email search, designed a new tracking system, and improved database and mail-synchronization performance. Improved CI tooling and managed the full release cycle from branch creation and stabilization through rollout monitoring and hotfix coordination.	May 2023 - Oct 2024
RTL RTL+ App, Podcasts Android Developer Contributed to Android and Android TV delivery in a large cross-functional team. Designed a unified media-download framework used across multiple app sections, improving consistency and maintainability.	Dec 2022 - May 2023
1&1 Internet AG GMX, WEB.DE, Mail.com & 1&1 Android Developer (Contractor) Returned during a critical transition. Refactored the main screen with Kotlin Flow and Coroutines, designed REST-based mail synchronization with virtual-folder support, managed CI and Play Store releases, and enabled safer staged rollouts. Stack: Kotlin, Flow, Coroutines, REST, Ansible, Docker, GitLab	Oct 2021 - Oct 2022
neXenio Luca App Android Developer (Contractor) Stabilized the codebase and established reliable delivery practices. Introduced CI, automated Play Store uploads, and unit testing; partnered with QA; and delivered releases, features, and critical fixes. Stack: Kotlin, Java, RxJava	Apr 2021 - Sep 2021
SinnerSchrader Android Developer (Contractor) Contributed to a mobile crisis-assistance app for an Austrian government ministry, focusing on rapid implementation and stability.	Mar 2021

PROFESSIONAL EXPERIENCE | CONTINUED

Thermal Map | Personal project

Dec 2020 - Feb 2021

Web Application Developer

Built a web application that visualizes thermals by location, date, time, and altitude. Processed and indexed 450 GB of public GPS track data using Python. thermik.pumpt.net

Zooplus

Jul 2017 - Sep 2020

Android & AWS Developer (Contractor)

Delivered mobile and backend solutions that helped increase the app's revenue share from 4% to more than 20% and improve Play Store ratings from about 3.4 to over 4.8. Built AWS services handling more than two million daily requests, served as sole Android developer for extended periods, maintained Jenkins CI, and contributed to technology governance.

Stack: AWS Lambda, API Gateway, Python/Flask, DynamoDB, RDS, Jenkins

Various projects | BMW prototype and YouRide

Jan 2017 - Jun 2017

Software Developer

Developed Android and backend components for YouRide. Built a Raspberry Pi and DMX-based light and video control system for a BMW car prototype, including wireless tablet control and an in-car video client.

Allianz Managed Operations & Services

Jan 2016 - Dec 2016

Technical Lead, Android Development (Contractor)

Designed an internal mobile-development framework with reusable components for company divisions, focusing on quality, configurability, performance, testing, and documentation.

Stack: Android Studio, Git, Gradle, Maven, Jenkins, unit and UI testing

iteratec | DriveNow

Jul 2015 - Dec 2015

Software Developer (Contractor)

Worked on DriveNow's Android-based embedded in-car system, improving build automation and team workflows.

1&1 Internet AG

Feb 2013 - May 2015

Head of Mobile Development, Android & Mobile Messenger

Led the Android team (six developers) and temporarily the iOS team (five developers), owning hiring, coaching, and team development. From June 2014, led a nine-person cross-platform messenger project across Munich and Bucharest.

1&1 Internet AG

Jun 2011 - Feb 2013

Android Tech Lead

Started as an iOS developer for WEB.DE, GMX, and Mail.com, then became technical lead for the corresponding Android portfolio in July 2011.

match2blue software development GmbH

Jan 2009 - May 2011

Team Lead, Frontend Development

Initially the sole Android developer, porting existing iOS and Java ME apps. Expanded into iOS and AWS scripting, then led Android, iPhone, and BlackBerry frontend development for clients including Lufthansa.

Laska | Personal project

Sep 2008

Android Developer

Created Emanuel Lasker's board game as an Android app with a machine-learning-based AI, three difficulty levels, and multiplayer. Featured in Google's Device Seeding Program for Top Android Developers in March 2010.

Stack: Java, Eclipse, Mercurial, Android SDK

EDUCATION

Paderborn University

2002 - 2008

Diplom-Informatiker

Major: Embedded Systems | Minor: Economic Sciences | Project group: Paderkicker 6, Robo-Soccer in the RoboCup Midsized League.