

Alexander Farber

SENIOR SOFTWARE ENGINEER / TECH LEAD

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PROFILE

Hands-on software engineer with 30 years of programming experience, starting at Ericsson in 1996. I enjoy writing efficient, readable code and solving practical engineering problems. My background combines automotive, cloud and embedded engineering, open-source contributions and hands-on team leadership.

CORE EXPERTISE

LANGUAGES

Kotlin, Java, C#, C++,
Python, TypeScript /
JavaScript

PLATFORMS

Android Automotive (AAOS),
Linux, Azure, Kubernetes,
embedded software

ENGINEERING

Microservices, CI/CD,
developer tools, debugging,
Git

PROFESSIONAL EXPERIENCE

Volkswagen Infotainment

2014 – Present

Senior Software Developer / Tech Lead · Bochum

- **2025 – Present** **Android Automotive**
Developing Kotlin-based system applications for automotive platforms in the Rivian / Volkswagen collaboration.
- **2019 – 2025** **Cloud engineering**
Developed C# microservices for Microsoft Azure Service Fabric and Kubernetes; worked with Azure DevOps, pipelines and infrastructure templates.
- **2014 – 2019** **Embedded software and vehicle programs**
Worked on embedded automotive software and the North American Region (NAR) launch; had two direct reports during the launch.

BlackBerry

2009 – 2014

Software Developer · Bochum

- Developed mobile device software in Java and C++, including USB/MTP, FM radio, setup and settings applications.

Novero

2008 – 2009

Systems Administrator · Bochum

- Administered Windows, Linux and OpenBSD systems and engineering infrastructure for approximately 400 users, including build systems, development tools, servers and secure remote access.

SELECTED OPEN-SOURCE WORK

- OSRM** — Contributions to the open-source routing engine (C++ / JavaScript), including maintenance and toolchain improvements.
- Eclipse Jetty** — Java server contributions, including tests and reliability improvements.
- Gemini CLI / Qwen Code** — Contributions to TypeScript-based AI coding agents.
- OpenMapView** — Creator of an Android / Kotlin mapping library using OpenStreetMap tiles. [View project](#)

EARLIER EXPERIENCE

- Nokia** 2002 – 2008
Tools Developer · Bochum
- Built and supported developer tools and software build infrastructure for Series 40, Symbian and Maemo teams.
 - Contributed to international engineering-tool initiatives, including Linux build systems and cross-compilation.
- Ericsson** 2000 – 2001
Software Developer · Aachen
- Developed Perl-based web and command-line tools integrated with databases and engineering systems.
- Ericsson** 1996 – 2000
Student Assistant · Aachen
- Developed internal Perl tools and CGI applications alongside university studies.

EDUCATION

- RWTH Aachen University** 1992 – 2000
Dipl.-Ing., Electrical Engineering / Technical Informatics
Diploma thesis: FEM viewer using C++, OpenGL / Qt and an integrated Python interpreter.
- Latvian State University, Riga** 1989 – 1991
Physics studies (not completed)

LANGUAGES

German
Fluent

English
Fluent

Russian
Native

OUTSIDE WORK

Married with two grown-up children. I enjoy literature, theatre, visual arts, daily walks and developing card and word games.