- **Fullstack** developer with experience in roles: **tech lead**, **product manager**, **project manager**
- Amazon Web Services (**AWS**), **Kubernetes**, **Node.js**
- **TypeScript**, **Python**, **Rust**
- GPM/IPMA certification in project management
  Speaking the same language with **data** and **machine learning** scientists and engineers
- MSc in mathematics and informatics, **25 years** work experience

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Experience

11.2024–01.2025 UC Berkeley LLM Agents Hackathon	`ailets.org`: building blocks for realtime AI apps Environment: Async Python, WebAssembly, Rust • validated the idea by a working prototype • published Rust crate "rjiter" for streaming json processing
10.2020–**now** Burda Forward GmbH	Project MatchMaking: Recommendation engine for Burda content (`focus.de`, `chip.de`, `bunte.de` etc) Environment: Kubernetes, vespa.ai, Node.js, React, TypeScript • pitched and managed an internal startup • shared tasks with 3 developers • setup the traditional and vector search • joined data from several sources • provided vector-based personalization Project Meta Data Service: Bring results of data scientists to production: Mine and share metadata for articles across Burda brands Environment: AWS, ECS, Terraform, Node.js, TypeScript • created an actionable specification from meeting discussions • developed an initial architecture and code
08.2018–09.2020 Cliqz MyOffrz GmbH (overtaken by Burda)	Project CHIP Sparalarm: In-Browser Marketing with privacy protection Environment: WebExtensions, JavaScript ES6 • fixed race condition errors and unstable integration tests • reduced memory usage Project `offers-filter-api`: Select ads for an URL or a content Environment: AWS, Terraform, Node.js, TypeScript • optimized a prototype to 100x higher load • developed strategies for cache invalidation • applied machine learning for content categorization
01.2018–06.2018 FDTech GmbH	Autonomous driving: Environment for validation and permit My tasks: software integration, research
02.2017–12.2017 SOLIN GmbH (overtaken by FDTech)	BMW research project Connectivity Mobility Lab. A marketplace for traffic information Environment: AWS, Microservices, REST API, Angular 2, Python, Java
04.2007–01.2017 bitplant.de GmbH	Content management system for technical writers. 4 generations of the tool. Environment: Client-Server, Python, wxPython (GUI)
1999-now	Various. Ice breakers: Forth, XSLT, Scheme, LaTeX, C++ 11, Clojure, Haskell Peopleware, The Mythical Man-Month, Paul Graham, Joel Spolsky

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