Rakhim Davletkaliyev

Software engineer with 15 years of experience building and scaling products and teams.

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Skills

Languages/frameworks: Python, Rust, Go, Ruby/Ruby on Rails, Clojure, Java, TypeScript/JavaScript.
Technologies: PostgreSQL, Docker, Kubernetes, AWS, GCP, Cloudflare Dev. Platform. CI/CD with Gitlab, Github, Ansible.
Other: Technical writing (developer/user documentation, user guides, training, courses). Technical public speaking.

Experience

Staff Software Engineer, IQM Quantum Computers — Espoo, Finland   May 2025 – Present
- Led a team to research the integration of quantum computing nodes into HPC infrastructure, directly influencing company strategy and product roadmap, in collaboration with VPs and CEO.
- Leading an API architecture refactoring to enable multi-tenant access, maximize throughput and QPU utilization.

Software Architect, IQM Quantum Computers — Espoo, Finland   July 2023 – May 2025
- Developed the flagship superconducting quantum computing SDK for pulse-level control (Python, Rust). Achieved the company OKRs, making it a core product. Led an engineering team to iterate on the next 4 major versions.
- Collaborated with product teams, low-level control software team, service- and UX-designers, cloud engineers in a greenfield cloud platform development. The result is now the company's core public product (IQM Resonance).

Software Engineer, IQM Quantum Computers — Espoo, Finland   Apr 2022 – July 2023
- Developed a benchmarking tool for analysis of quantum computing fidelity with Scala, Python, PostgreSQL/Liquibase. This tool is now integral to all IQM deployments and public cloud benchmarking.
- Implemented role-based authentication and scheduling system for on-premise and cloud-based quantum computers.

Software Developer & Instructor, Codexpanse — Helsinki, Finland   Dec 2018 – Apr 2022
- Built a platform for publishing and selling text-based online courses (Node, TS, Cloudflare Workers, AWS).
- Produced courses, videos, and e-books on Python, Clojure, LISP, and JavaScript.

Founder, CEO, Hexlet.io, Helsinki, Finland   July 2012 – Nov 2018
- Built a platform for online courses, raised funds from private and public investors. Hired over 40 great people in total.
- Scaled a side project into a profitable edtech company with 30+ employees, thousands of users, 1.2M€ in revenue.
- Led product and business development, hiring, finance, and investor relationships.

Software developer, Macadamian Labs — Ottawa, Canada   May 2011 – Apr 2012
- Developed a frontend application for logistics tracking and analysis (Adobe Flex, Java, JS).

Software developer intern, Ericsson — Ottawa, Canada   May 2010 – Aug 2010
- Deployed code inspection tools for a large codebase migration project (Nortel-Ericsson integration after acquisition).

Side Projects

Minifeed   minifeed.net
- Search engine/crawler, discovery tool for blogs, indexing 1000+ sites. TypeScript, Cloudflare Workers, AWS, HTMX, Rust.

Textpod   github.com/freetonik/textpod
- Local note-taking app written in Rust. Focus on performance and great UX.

Exotext   exotext.com
- Blogging platform for technical writers. TypeScript, Cloudflare Workers, AWS.

Education

Carleton University – BS in Computer Science (High Honors)   November 2011