

Karlis Zigurs

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About

Software Engineer / Architect / Lead / Engineering Manager with 20+ years of professional software engineering experience.

My experience ranges from doing cutting edge research to building green-field teams or working with business performing due diligence on possible technical partnerships; I particularly focus on backend systems and infrastructure, especially in high volume / value data pipelines.

I highly value upfront communications, as well as understanding the context of deliverables in the "big picture" and business goals. Equally at ease with discussing key system components design, managing multi-quarter systems re-architecture or iterating with executives on the long term goals and roadmaps.

Key Skills

SDLC, Java, Go, Linux, AWS, SaaS, Software / Systems Architecture, Low Latency, Data Stores, Engineering Leadership, Mentoring, Stakeholder Communications, Operations, Observability, Integration, Roadmap Management, Incident Management and more.

Experience

Software Engineering Manager / Expert Software Engineer

Typeform (Remote)

Nov 2019 - Nov 2021

- Set up and led first two remote engineering teams, closely working with business to identify process, hiring and tooling gaps in an on-premises organization
- Participated in hiring pipeline planning, development and talent interviewing
- Oversaw and coordinated process of splitting existing monolith architecture into microservices between different teams
- Took ownership of existing databases portfolio identifying risks and coordinating necessary maintenance (resizing, consolidating DB versions, migrations to encrypted instances, etc)
- Developed a number of core components/libraries resolving various bottlenecks of existing systems under load (mostly by improved parallel processing/work distribution algorithms)
- Performed technical Due-Diligence on a number of acquisition targets
- Key technologies: Go, AWS, K8s

Product Chief Architect / Software Engineering Manager

Aurea / ESW Capital Group (Remote)

Oct 2016 - Nov 2019

- Managed maintenance and release process of internal code analysis and automated refactoring tools suites
- Led a team of Tech Leads responsible for different components of the code analysis pipeline
- Contributed to organization efforts to “codify” engineering and release process via explicit run-books for common decision points and tasks
- Worked with infrastructure teams to evaluate and introduce high-density docker hosts
- Key technologies: Java, Python, AWS, Docker

Chief Software Architect

Matchbook (Cork, Ireland / Remote)

Feb 2014 - Jan 2016

- Developed a high throughput / low latency in-memory exchange orders matching core
- Successfully implemented one of the first [RAFT](#) implementations in Java
- Worked with QA to develop a fuzzy testing suite exercising failures at code, node and network levels
- Key technologies: Java, RAFT

Senior Research Engineer / Senior Innovation Engineer / Software Architect (Mobile)

Betfair (London, UK)

Jan 2010 - Dec 2013

- Participated in research and development of real-time orders ingestion and analysis core to detect abnormal betting patterns and building up capability for further real-time analysis
- Delivered reports of various emerging technologies and their potential impact on business
- Prototyped UDP driven real-time mobile client (ZoomBet)
- Advocated for and initiated creation of Befair Mobile project team
- Supervised development of mobile clients and necessary API integrations with exchange core
- Key technologies: ObjectiveC, Java, AWS

Further experience omitted...

Details

Nationality: Latvian

Languages: Latvian (native)
English (fluent)
Russian (fluent)

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