

Eiríkur “Erik” Ernir Þorsteinsson



PROFILE

Software engineer with 12YoE. Experienced as a tech lead, developer, and teacher. I collaborate to build future-proof applications using modern technologies and tools. I believe that good software is built by good teams and thus emphasize team health, work-life balance, emotional safety, and diversity and inclusion in my work.

CONTACT DETAILS

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Amsterdam, The Netherlands

PERSONAL INFORMATION

Year of birth: 1987

Citizenship: **Icelandic** (no work visa required in the Netherlands)

Languages: **English** (fluent), **Dutch** (basic), **German** (basic), **Icelandic** (native)

SKILL KEYWORDS

- Java, Python, TypeScript
- Microservices, data modeling
- Event-driven architectures
- PostgreSQL, MongoDB
- GraphQL, RabbitMQ, API-first
- Spring 6 + Spring Boot 3
- Docker, Kubernetes
- Linux, Git

EXPERIENCE

SOFTWARE DEVELOPER, TECH LEAD. *Picnic Technologies.* 2018–current

- ◇ Optimized primary data access path of the company’s master data system for employee information, reducing p95 response time by 95%.
- ◇ Lead guild overseeing the adoption and demotion of technologies within the 300+ person tech team, facilitating and enforcing company tech strategy.
- ◇ Decomposed the company’s main MongoDB database cluster via a multi-team effort involving technical, architectural and organizational aspects.
- ◇ Led effort to introduce new warehouse orchestration system in place of a legacy monolith, allowing warehouses to run at new automation levels.
- ◇ Founded and trained product teams working on both greenfield and brown-field projects. Advocated for hiring and oversaw the 3x growth of teams.
- ◇ Designed and led implementation of up a microservice architecture supporting the “Runner App” product’s continuous feature delivery and smooth operational scale-out across markets, using GraphQL, event-driven approaches, and automated E2E testing strategies.
- ◇ Developed Picnic’s “Runner App” used by the drivers, replacing a 3rd party system. Facilitated a higher level of service, increased road safety and increased data insight into the last mile delivery process.

ADJUNCT FACULTY. *The University of Iceland.* 2016–2018

- ◇ Full-time university lecturer. Taught multiple courses with class sizes up to 300, including Discrete Mathematics, Introduction to Computer Science, and Data Structures and Algorithms. Supervised TAs.

PROGRAMMING TEACHER. *Technical College Reykjavík.* 2013–2016

- ◇ Taught programming to students in the 16-20 age band. Introduced and restructured upper-level courses and wrote a textbook.

LEADERSHIP SKILLS

- ◇ I emphasize team learning and growth. I am used to providing relevant actionable performance feedback as a line manager, both formal and informal.
- ◇ I am comfortable with being accountable for group outcomes, and growing groups to make sure goals are met. I have a proven track record of leading ambiguous, cross-team technical projects towards success.
- ◇ I am proactive about identifying and addressing productivity and happiness blockers I encounter in my work. I can confidently navigate conflict and guide conversations towards resolution.

SOFTWARE AND ENGINEERING SKILLS

- ◇ I have been programming since childhood, working full time with technology for more than a decade. I consider myself a technical polyglot.
- ◇ I am passionate about software architecture as a means to bridge ever-evolving business and development team needs, as well as developing longer term technical strategies.
- ◇ Recent work has focused on developing cloud microservices, backed by both relational and document databases, facilitated with message brokers.

EDUCATION

MSc Computer Science and Pedagogy. *University of Iceland.* 2017

BSc Computer Science. *University of Iceland.* 2012