

IGAL TABACHNIK

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SUMMARY

I am a backend/platform engineer with 20+ years of experience building systems, infrastructure, and developer tools, including foundational backend work as Unit's first employee.

I combine hands-on engineering with helping teams understand the reasoning behind technical decisions. I mentor engineers, speak at conferences, and build open-source tools, including the ZIO IntelliJ plugin.

My background spans Scala, Rust, and functional programming. My current focus is AI-native engineering: applying engineering judgment to how teams direct coding agents, validate their output, and evolve their development practices.

WORK EXPERIENCE

(full details on LinkedIn)

JAN 2025–MAY 2026
(1 year, 5 months)

Founding Engineer at EurekaLabs, Israel

Led development of core features in an Ethereum block builder written in Rust, maintaining compatibility with Reth changes and Ethereum protocol updates.

Introduced agent-assisted development practices, including structured prompts and reusable skills for coding agents.

[rust](#) [ethereum](#) [ai-engineering](#) [agentic-workflows](#)

APR 2020–MAR 2024
(4 years)

Founding Engineer and Tech Lead at Unit, Israel

First employee at Unit. Built foundational backend infrastructure and helped establish the engineering team.

Designed and implemented data access, wire protocols, service architecture, distributed calls, domain models, and testing infrastructure.

Delivered payment services and APIs end-to-end across ACH, wires, cards, and related banking workflows.

Guided engineers in understanding and applying functional Scala/ZIO through onboarding, mentorship, workshops, tooling, and engineering guidelines. Explained the reasoning behind architectural choices so engineers could make informed decisions independently.

[scala](#) [zio](#) [postgres](#) [payment-protocols](#) [aws](#)

JUN 2016–AUG 2019
(3 years, 3 months)

Senior Software Engineer at Wix.com, Israel

Added Scala support during Wix's migration to *Bazel*. Built internal tooling for build and IDE workflows and contributed fixes to Google's *Bazel IntelliJ* plugin.

[scala](#) [bazel](#) [intellij-sdk](#)

EARLIER EXPERIENCE

(full details on LinkedIn)

JUL 2015–MAY 2016	Software Developer Particular Software	Built distributed .NET messaging infrastructure and developer-facing APIs for NServiceBus and the Particular Platform.
JUL 2012–JAN 2015	Lead Developer OzCode (a CodeValue company)	Led development of a Visual Studio extension for debugging productivity.
MAR 2010–NOV 2011	Senior Software Developer Typemock	Built unit-testing tools using the unmanaged CLR Profiling API, runtime inspection, and IL weaving.
OCT 2008–MAR 2010	Software Developer Eternix	Lead developer of a WebDAV file server with encryption, versioning, quotas, and user management.
OCT 2007–OCT 2008	Software Developer InfoGin	Built customer-specific mobile web applications in the professional services team.
JUN 2005–SEP 2007	Software Developer PrizmaSoft	Built business-process-management client applications and maintained build and deployment scripts.

TECHNICAL PROFILE

EXPERTISE:	Backend engineering, distributed systems, microservices, concurrency, functional programming, developer tools
PRACTICES:	SOLID, DDD, CQRS, TDD, property-based testing, E2E testing
LANGUAGES:	Scala, Rust, Haskell, C#, Java, TypeScript, Python
LIBRARIES AND RUNTIMES:	ZIO, Typelevel libraries, Tokio, JVM/CLR internals
INFRASTRUCTURE:	Kubernetes, PostgreSQL, Kafka, ZeroMQ, AWS
TOOLING:	Bazel, compiler/IDE plugins, SDKs, production debugging

OPEN SOURCE

TOOLS AND LIBRARIES:	ZIO and Scala ecosystem: 🔗 zio-intellij: Creator of the IntelliJ IDEA plugin for the ZIO library ecosystem. 🔗 zio-clippy: Scala compiler plugin that improves ZIO type-mismatch errors.
BOOK:	📖 Category Theory for Programmers by Bartosz Milewski: LaTeX source and build tools for PDF and print editions of the book.
CONTRIBUTIONS:	Bug fixes and feature contributions to the IntelliJ Scala plugin, Typelevel libraries, Zed, Bazel and more.

SELECTED TALKS

TALKS:	🎥 The Business of Scala (Scala Matters Meetup, HiBob, 2023) 🎥 Everything you (didn't) want to know about implicits (Hebrew) (Unit Engineering, 2022) 🎥 Zero to FP (Hebrew) (Underscore Meetup, 2018) 🎥 Journey to Functional Programming (Wix Engineering, 2017)
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