

IGAL TABACHNIK

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SUMMARY

I am a senior backend/platform engineer with 20+ years of experience building backend systems, infrastructure, and developer tools.

I contribute to open source, speak at conferences, and occasionally organize meetups. Helping others become unstuck is an important part of my work - through mentorship, sharing knowledge, and working through problems together.

My background is in statically typed languages, especially Scala and Rust, with an emphasis on functional programming. My current focus is AI-native engineering: helping teams adopt AI and evolve how they build, test, and maintain software.

WORK EXPERIENCE

(full details on LinkedIn)

JAN 2025–MAY 2026
(1 year, 5 months)

Founding Engineer at EurekaLabs, Israel

Led development of low-level core features in an Ethereum block builder written in Rust and maintained compatibility with Reth changes and Ethereum protocol updates.

Introduced agentic engineering practices to the team, with an emphasis on prompt engineering and 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. Helped build the engineering team and core backend platform from the ground up.

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

Implemented payment-protocol services and APIs end-to-end, including ACH, wires, cards, and related banking workflows.

A large part of my role was helping engineers become effective in a purely functional Scala/ZIO codebase, from onboarding and one-on-one mentorship to debugging support, workshops, and engineering guidelines.

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

JUN 2016–AUG 2019
(3 years, 3 months)

Senior Software Engineer at Wix.com, Israel

Worked on the migration to *Bazel* in the build infrastructure team: added Scala support, contributed fixes to the *Bazel IntelliJ plugin* (developed by Google), and built internal tools for Wix-specific build and IDE workflows.

[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 : 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:  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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