

# IGAL TABACHNIK

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## SUMMARY

I'm a software developer based in Israel with over 20 years of professional experience across multiple domains and technologies.

I primarily work with Scala, utilizing the ZIO stack—a typesafe, purely functional library for concurrent and asynchronous programming. I specialize in backend development: implementing highly robust services, domain modeling and domain-driven design, unit and integration testing.

I am an open source contributor and an occasional organizer and guest speaker at conferences and local meetups. I also have a keen interest in Developer Experience (DX) and have developed compiler and IDE plugins that substantially enhance developer productivity. I love teaching and helping others to become “unstuck”.

## WORK EXPERIENCE

APR 2020–MAR 2024  
(4 years)

### Founding Engineer and Tech Lead at Unit, Israel

[scala](#) [zio](#) [infrastructure](#) [onboarding](#) [developer-experience](#)

As the first employee at Unit, I held various positions across multiple teams.

Created and maintained most of the backend infrastructure using pure functional programming in Scala, based on the ZIO framework and associated libraries.

Implemented services and protocols adhering to their precise specifications, leveraging advanced data modeling techniques enabled by Scala's robust type system and functional programming principles.

Served as the primary resource for supporting and onboarding new team members, troubleshooting issues, and developing educational materials and hands-on workshops, engineering guidelines and testing specifications.

(abbreviated work history below, see the LinkedIn profile for full details)

JUN 2016–AUG 2019  
(3 years, 3 months)

### Senior Software Engineer at Wix.com, Israel

[scala](#) [functional-programming](#) [bazel](#) [intellij-plugins](#)

Worked in the build infrastructure team, supporting the migration to the *Bazel* build system. Main responsibilities included adding Scala support and contributing fixes to the *Bazel IntelliJ plugin* (maintained by Google), as well as creating internal tools for Wix-specific functionality.

JUL 2015–MAY 2016  
(11 months)

### Software Developer at Particular Software, Israel

[c#](#) [nservicebus](#)

Building NServiceBus and the Particular Platform products.

JUL 2012–JAN 2015  
(2 years, 7 months)

**Lead Developer at OzCode** (a CodeValue company), Israel

c# roslyn debugging-api visual-studio-extensions

OzCode is a Visual Studio extension for debugging productivity. I was responsible for the entire stack, from core product development to prioritizing features and issues, research, as well as marketing and content creation, branding, and artwork direction.

MAR 2010–NOV 2011  
(1 year, 9 months)

**Senior Software Developer at Typemock**, Israel

c# .net-internals il-weaving aop api-design code-generation

Developed a unit testing suite of products for software developers. Mainly responsible for the isolation (mocking) framework, based on the unmanaged *CLR Profiling API* to perform runtime inspection and IL weaving to allow runtime code modifications.

OCT 2008–MAR 2010  
(1 year, 6 months)

**Software Developer at Eternix**, Israel

c# webdav winforms unit-testing tdd

Lead developer of a WebDAV based file server, implementing and maintaining features such as file encryption, versioning, quota, and user management.

OCT 2007–OCT 2008  
(1 year, 1 month)

**Software Developer at InfoGin**, Israel

c# asp.net mobile-web wap

Developer in the professional services team, created web applications for mobile devices, based on the specifications provided by customers.

JUN 2005–SEP 2007  
(2 years, 4 months)

**Software Developer at PrizmaSoft**, Israel

c# winforms continuous-integration

Developed client applications for a business process management system, maintained build and deployment scripts.

## PROGRAMMING PROFICIENCY

LANGUAGES: Scala (expert), C#, Java (proficient), Haskell (beginner), F#, OCaml (familiar), Rust (learning)  
PATTERNS: ES/CQRS, DDD, OOP, TDD, Property-based testing  
TECHNOLOGIES: ZIO and Typelevel libraries, Postgres, Docker, Kubernetes, Kafka, TestContainers  
TOOLS: Scala macros, sbt, Pants/Bazel, IntelliJ plugins

## SKILLS AND ACCOMPLISHMENTS

LANGUAGES: Hebrew, English, Russian  
PUBLICATIONS: Category Theory for Programmers by Bartosz Milewski ([PDF](#), [hardcover book](#))  
OPEN-SOURCE: Contributor to various open source projects (ZIO, various plugins for IntelliJ IDEA)

## SPEAKING

VIDEO: [Journey to Functional Programming](#) (Wix Engineering, 2017)  
[Zero to FP \(Hebrew\)](#) (Underscore meetup, 2018)  
[Everything you \(didn't\) want to know about implicits \(Hebrew\)](#) (Unit Engineering, 2022)  
[The Business of Scala](#) (Scala Matters Meet-up @ HiBob, 2023)