

# Sergey Leschev

Tech Lead

[Swift](#) / [TypeScript](#) / [Database](#)

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## Awards

**Ranking #Dev: Global TOP 300** ([Certificate](#))

**Languages:** Swift, TypeScript, Shell, Database (T-SQL, PL/SQL, MySQL), Concurrency (Python3).

**Algorithms:** linked lists, binary search, hash table, queue/stack, dfs/bfs, sort, heap/hash, two pointers, sliding window, tree, greedy problems etc.

## Developer Roadmap

- ☒ S.Leschev iOS Developer [Roadmap](#).
- ☒ S.Leschev FullStack Developer [Roadmap](#).
- ☒ S.Leschev System Architect [Roadmap](#).

# Technologies

## Tech Stack

Swift [[4](#), [5+](#), [UIKit](#), Autolayout, [UIKitPlus](#), GCD/Operations/[Concurrency](#) 5.5+, [Alamofire](#), [ObjectMapper](#), SwiftLint, SwiftGen, FP, pre/after-main opt], SwiftUI [iOS, watchOS, Widgets, App Clips], Apple TV/AirPlay [Composition, Secondary Display], [Realm](#), [Lottie](#), [JWT](#), [CryptoSwift](#), REST, Firebase, Java [7-8], PWA, Angular [2-6+], [Ionic Framework](#) [3-5+], [React Native](#) [[Redux](#), [MobX](#)], JavaScript, React [[Next.js](#); [Redux](#), [Redux Toolkit](#) +Slice/Immer, [Prime React](#)], Node.js [10x Express/SQL;14x NestJS 6;7+/TypeORM], [TypeScript](#) (+ESLint, Jest), C#, .Net Core [1-3+], MS SQL [2016+], SQL, Objective-C, MongoDB [3.6, 4.4, Config, Replication, Sharding], RabbitMQ, GraphQL [Schemas; Resolver; Request; Validation; Queries&Mutations; Apollo; Reactive], Apache Kafka, Mockapi, Mac Os, iOS [10;12;13;14+], Android, [OneSignal](#), Localization (Phrase/[json/i18next](#)), Zeplin, Figma, Sketch.

## Analytics

Tableau, Amplitude [[SDK](#)], AppsFlyer [[SDK](#) 5, 6+, Raw Data, Data Locker, Protect360, web-2-app, People-Based Attribution (PBA), Conversion Path, OneLink], Facebook for Business [[SDK](#), Graph, [Conversions Api](#), Pixel, Reports], Snapchat, TikTok, Google Tag Manager (GTM), Google Analytics [GA4;UA], Apple SKAd (+PCM), Qlik, Yandex, Hotjar, SplitMetrics, Apphud, Appfollow, A/B testing, Airflow, Airbyte, Qonversion.

## Infra/DevOps

CI/CD tools [XCode Cloud, Github Actions/DO, [Jenkins](#), Codemagic, Gitlab, AWS CodeBuild], Git [+Flow], Chromium + Transporter, Instana, Freshworks, Docker [+compose], Twilio, Zapier, Linux [+ssh, iptables, Ubuntu 16/18/20+, snap/apt/npm/yarn/brew], Amazon Web Services (AWS), Digital Ocean (DO), GRE, IPSEC, VPN, Cloudflare [DNS, CDN, SSL, Guard, Rules], Crashlytics, Grafana, Sentry, RayGun, Nginx, Let's Encrypt [SSL], Win Server [+PowerShell], IIS, Pingdom, UptimeRobot, Apache JMeter, PAW, Postman, Charles Proxy, Indigo Browser, Published Apps [Apple AppStore, Google Play, Amazon Appstore, Huawei AppGallery, Galaxy Store, Snapcraft].

## Payment Providers

Apple StoreKit [+Retention, Sales Reports], Stripe [nest-[SDK](#), node-[SDK](#), Sigma SQL Financial Reports], PayPal [[SDK](#)], high-risk processing providers [Solid Payments, Recurly, SolidGate, Braintree], CloudPayments, DCB (fortumo), Paymentwall, SafeChange.

## DeFi

Solidity (Consensys, Alchemy), Metamask, SafePal, Launchpad, PancakeSwap (BNB), Uniswap (ETH), Dextools/PooCoin, Gas/gwei Optimization, Front-Runner Bots, Slippage Optimization, CEX/DEX, Binance Smart Chain (BNB), Ethereum (ETH), Polygon (Matic), Tokens List [Coinmarketcap;CoinGecko].

## Auth Providers

Apple ID, Google, Facebook (Meta), Fitbit.

## Support Services

Intercom, Hiver, ChargeBee, HelpShift, HelpCrunch, Freshchat.

## Reports

P&L, CF, Key metrics, Unit-economics [AARRR, RARRA], Cohort analysis.

## PM Stack

Agile [Scrum, Kanban, +V&E +MoSCoW +ICE +RICE, PRINCE2], Driven Development [TDD, BDD/QUICK, DDD, FDD], ISTBQ, Clickup, Jira, Confluence, Notion, Asana, Team Foundation (TFS), Miro, diagrams.net/ERD, Microsoft Project, OmniPlan, UML [IBM Rational Rose, [Visio](#)].

## Project Guidelines

A set of best practices in my projects.

- ☒ [Git](#)
  - ☒ [Documentation](#)
  - ☒ [Environments](#)
  - ☒ [Dependencies](#)
  - ☒ [Testing](#)
  - ☒ [Structure and Naming](#)
  - ☒ [Code Style](#)
  - ☒ [Logging](#)
  - ☒ [API](#)
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## Education

### Belarusian State University

2004 – 2009

### Faculty of Applied Mathematics & Informatics.

Computer science / Mathematician-system programmer.

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## Awards

### Golden Award for the Year of the Tiger Challenge



**Algorithmic skills:** Dynamic programming, Greedy algorithms, Catepillar method, Binary search algorithm, Fibonacci numbers, Euclidean algorithm, Sieve of Eratosthenes, Prime and composite numbers, Maximum slice problem, Stack and Queues, Sorting, Time Complexity, Arrays, Prefix Sums, Leader, etc.

**Contest:** Algorithms, SQL, Data Structures, Bitwise operations (bit-ops), Frontend.

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# Licenses & certifications

- 🏆 LeetCode Global TOP 300 (Swift: [Certificate](#), Sources: [Swift](#), Sources: [TypeScript](#)).
  - 🏆 Golden Award for the Year of the Tiger Challenge (Swift: [Certificate](#), Sources: [Swift](#)).
  - 🏆 Golden Award Muad'Dib's Challenge (Swift: [Certificate](#), Sources: [Swift](#)).
  - 🍏 Health & Fitness iOS App / [Fitness Motivation](#) / AppStore (Sources: [SwiftUI](#)) @ S. Leschev.
  - 🍏 Utility MacOS App / Calc-It / Core / AppStore (Sources: [Swift](#)) @ S. Leschev.
  - Facebook Blueprint (Marketing SDK).
  - Snap Inc (Marketing SDK).
  - Bytedance (Marketing SDK).
  - AppsFlyer (Marketing SDK).
  - Google Analytics (Marketing [SDK](#), GA4, UA).
  - Internet Initiatives Development Fund (IIDF / Economics).
  - Stanford University (Swift: [UIKit](#), [SwiftUI](#)).
  - Coursera (Swift): Best Practices For iOS User Interface Design, Networking And Security in iOS Applications.
  - Zdes i Sejchas Consulting Group (Professional Management Skills, [Agile Methodologies](#)).
  - LinkedIn Skill Assessment (Mobile): [Swift \(Programming Language\)](#), [Object-Oriented Programming \(OOP\)](#), [Objective-C](#), [C++](#), [Ionic](#), [JSON](#), [XML](#), [Android](#), [Kotlin](#), [Maven](#), [Java](#), [REST APIs](#).
  - LinkedIn Skill Assessment (Front-End): [Front-end Development](#), [Angular](#), [React](#), [Javascript](#), [HTML](#), [CSS](#), [jQuery](#).
  - LinkedIn Skill Assessment (Back-End): [Node.js](#), [Java](#), [Spring Framework](#), [Scala](#), [C#](#), [.NET Framework](#), [Unity](#), [Python \(Programming Language\)](#), [Django](#), [PHP](#), [C \(Programming Language\)](#).
  - LinkedIn Skill Assessment (Databases): [MongoDB](#), [NoSQL](#), [Transact-SQL \(T-SQL\)](#), [MySQL](#).
  - LinkedIn Skill Assessment (Infra/DevOps): [Bash](#), [Git](#), [Amazon Web Services \(AWS\)](#), [AWS Lambda](#), [Google Cloud Platform \(GCP\)](#), [Microsoft Azure](#), [Hadoop](#), [IT Operations](#).
  - LinkedIn Skill Assessment (AI): [Machine Learning](#), [MATLAB](#), [Python AI](#), [R \(Programming Language\)](#).
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## Awards

### Golden Award Muad'Dib's Challenge



**Algorithmic skills:** Dynamic programming, Greedy algorithms, Binary search, Stack and Queues, Sorting, Time Complexity.


**Contest:** Algorithms, Data Structures.

**Languages:** Swift.

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# Contacts

I have a clear focus on time-to-market and don't prioritize technical debt.

 #startups #management #swift #typescript #cto

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 PDF Overview: [Download](#) | [light < 1 MB](#)

ALT: SIARHEI LIASHCHOU