

ARTEM KOBZAR

a.kobzar.nlt@gmail.com • [GitHub](#) • [LinkedIn](#) • Kharkiv, Ukraine (ready to relocate)

RECENT EMPLOYMENT

In industry from **June 2016** (5 years of experience)

Software Engineer/Consultant, Auth0

Feb 2021 – Aug 2021

- Reworked the tests codebase with custom codemods that reduced tests execution time at 15%.
- Designed and implemented Makefile linting process to keep the same API for all inner projects.
- Designed and implemented isolated integration tests for CLI which works with Docker and Keychain.
- Implemented engineering RFCs and proposals pipeline.
- 60% of tasks for the period were completed by my own.

Senior Software Engineer, Wrike

Aug 2019 – Jun 2020

- Designed and implemented a development analytic process from scratch.
- Built an analysis platform with an “analysis as a code” approach.
- Built a code editor extensions for fast code team-owner searching.
- Built a CI/CD webhooks for notifications and MR auto-assign of responsible for the project part people.
- Researched and redesigned API calls to reduce time to the interaction of Wrike web client at 30%.

Software Engineer, Hell Yeah LLC

Feb 2019 – Aug 2019

- Built cross-platform zero-dependency DSA schemas implementations (ed25519, secp256k1, bls12-381).
- Built a cross-platform zero-dependency implementations hash function (ripemd160).
- Reduced the size of the chokidar package by 17x times.
- Boosted the performance at 200% for readdirp and chokidar with a stream with a backpressure pattern.
- Reduced the RAM usage at 30% for readdirp and chokidar with a stream pattern and microtask usage.

Middle JavaScript Developer, WookieeLabs

Dec 2017 – Feb 2019

- Implemented a React Native module for declarative and fast animations for the doc.ai project.
- Implemented a service for fast every month update of Countries/Cities database for Avisare project.
- Built a customer filtering bot for the NextLead project.
- Built a webpage constructor for the NextLead project.
- Reduced the time of E2E tests execution at 50% for the NextLead project.

EDUCATION

National Technical University “Kharkiv Polytechnic Institute”

2015 – 2021

- B.Sc in Computer Engineering, June 2019. GPA: 3.0 (ECTS: 86/100).
- Thesis topic: “Implementation of a strong type system in AOT for dynamically typed programming languages”.
- M.Sc in System Programming, June 2021. GPA: 3.0 (ECTS: 84/100)
- Thesis topic: “Research of Iterators implementation methods for multi-language virtual machines”.

TECHNICAL EXPERIENCE

Projects

- Hegel. A static type checker for JavaScript with Hindley-Milner type inference and a sound type system.
- Noble Project. Pack of libraries: ripemd160 hash function and secp256k1, ed25519, bls12-381 DSA schemas.
- Sweet Monads. Zero-dependency monads for TypeScript.
- Schematics TS2GQL. A compiler from TypeScript to GraphQL Schema Language for the NestJS project.

Additional Experience

- **Instructor (from 2017):** teach students at JavaScript.Ninja Project.
- **Technical Podcaster (from 2019):** do a podcast about compilers and engines for languages. UnderJS.
- **Technical Conference co-organizer (from 2019 to 2021):** co-organize the HolyJS conference.

Languages and Technologies

- **Primary:** JavaScript, TypeScript, Kotlin/Java, SQL.
- **Secondary:** Dart, Python, Ruby/Crystal.
- **Basic Knowledge:** C++, Haskell, Rust, OCaml, GoLang, Elixir.