ARTEM KOBZAR

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RECENT EMPLOYMENT

In industry from **June 2016** (4.5 years of experience)

Senior Software Engineer, Wrike   **Aug 2019 – May 2020**
- Designed a development analytic process from scratch.
- Built an analysis platform with an "analysis as a code" approach.
- Designed, developed, and supported the Knowledgebase (API of development analytic information).
- 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, in progress (in progress until June 2021).

TECHNICAL EXPERIENCE

Projects
- **Hegel**. A static type checker for JavaScript with high-level type inference (Hindley-Milner algorithm) and a strong type system (without implicit and explicit type cast).
- **Noble Project**. Pack of libraries which includes: ripemd160 hash function and secp256k1, ed25519, bls12-381 digital signatures schemas.
- **Sweet Monads**. Zero-dependency monads for TypeScript.
- **Schematics TS2GQL**. A compiler from TypeScript to GraphQL Schema Language for the NestJS project, which gives an ability to define only types in typescript without additional schema for server API.
- **Haskell Moderator Bot**. A bot which removes ads from telegram chat (additionally, I contributed in Haskell Bot API to have more features in the moderator bot).

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):** co-organize the HolyJS conference (one of the largest conferences in East Europe).

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