ANTON ZAVYALOV

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EDUCATION

Polzunov Altai State Technical University, Barnaul *2017 - 2021*
Bachelor
09.03.04 - Software Engineering

PROGRAMMING BACKGROUND

I have been programming since I was 11. At first I was interested in modding and game development, so my first programming languages were Lua, C# and Haxe (Google it, it's awesome!).

From the first year in university I am interested in the theory of programming languages and functional programming. I am familiar with such languages as Scheme, Haskell, OCaml and others. Obviously, my main interests are system programming and programming language design. My experience in programming language development includes a simple LISP interpreter with nested scope and higher order functions; an interpreter of a C-like language and LLVM-powered compiler for it.

My interests do not contradict the fact that I am open to any interesting job offers. A big bonus if the offer is related to functional programming and programming language theory. ;)

PROJECTS

Flovver Visual functional programming language and rapid application development environment. Subject of my bachelor thesis in Polzunov Altai State Technical University.
URL: `https://github.com/flovver`

evply - Graphical LISP Interpreter The goal of this project is to make symbolic computations more symbolic. You have a workspace where you can place and move primitives: numbers, lines, images, functions, etc. You select these primitives, click the button on the toolbar - and the selected objects are grouped into a symbolic expression. A prototype of evply was developed for Hackathon Barnaul 2019.
URL: `https://github.com/hackathonbrn/evply`

Daria Toy programming language with naive pattern matching design and implementation.
URL: `https://github.com/andiogenes/daria`

TinyViz TinyViz is CLI graph visualization tool that was intended to help me with assignments for algorithms course. It supports hot reload!
URL: `https://github.com/andiogenes/TinyViz`

COMPUTER SKILLS

Programming Languages	Scala, Kotlin, Java, Go, C++, Python
Software & Tools	Linux, Git, Docker

WORK EXPERIENCE

Stackeer.io December 2019 - April 2020
Backend Developer

The project was an ML-based system recommending reviewers for PRs from among the contributors.

· Implemented a number of microservices in Go. Microservices are connected by REST and gRPC and are managed by an orchestration system.
· Created a command line tool to fetch data about repositories with GitHub GraphQLv4.
· Refactored a legacy library consisting of one class with a large number of methods and fields. To do this, I wrote an ad-hoc tool that traverses an AST and emits a call graph. Next, this graph is rendered through GraphViz and I can see how to perform refactoring.

Excelsior@Huawei   July 2020 - Present
Assistant Engineer

NDA ;)

ACADEMIC ACHIEVEMENTS

Participated in ICPC 2019-2020, NERC - Northern Eurasia Finals. Siberian and Far-Eastern Site. Our team took 16th place out of 49 (**in the regional standings**).

EXTRA-CIRRUCULAR

Was given a special award (Bitcoin-shaped chocolate bar) at Hackathon Barnaul 2019.

Played bass in a post-metal band called Sunhurt in 2019.

Linux ricing enthusiast (Check my current config at GitHub).

PERSONAL TRAITS

Highly motivated and eager to learn new things.

Ability to work as an individual as well as in group.