Rostyslav Khoptiy Software Engineer

I am a fullstack web developer, with mostly a focus in backend, currently based in Portugal. I take pride in writing clean and readable code. Besides web development my other programming interests include compilers, operating systems and software security. I have Portuguese citizenship and so can work anywhere in the EU.

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Porto, Portugal

Education

Faculty of Engineering of the University of Porto (FEUP)
Porto, Portugal.   September 2015 - July 2020 (expected)

Integrated Masters - Informatics and Computing Engineering (Software Engineering)
Grade Average (so far): 17/20

Work Experience

Research Centre in Real-Time & Embedded Computing Systems (CISTER)
Porto, Portugal   August 2017 - November 2017

Internship - Implemented and tested classic real-time process schedulers on the Linux kernel running on a Raspberry Pi with ARMv6. Project was concluded with the Raspberry controlling various sensors and actuators using the schedulers.

InvisibleCloud, Porto, Portugal   July 2018 - September 2018

Internship - Implemented and tested various REST client libraries for the company's InvisibleCollector service. Implemented the client functionalities in Java, C# and Go.

InvisibleCloud, Porto, Portugal   September 2018 - January 2020

Fullstack - Worked on various projects including: extending the company's web application (Ruby on Rails) and related REST API service (Java Dropwizard), extending the clients developed during the summer internship, implementing a web application for managing communication between debtor and debtee ("Settler" product) with an SPA frontend (Vue) and REST backend (Java Dropwizard), implementing websites for some of the company's clients (PHP).

INESC TEC, Porto, Portugal   February 2020 - Present

Research Grant - As part of my course dissertation, working on adding an access control system to various DNA healthcare repository back-ends, consisting of an authentication and authorization system.

Personal Projects

Many more smaller projects on my [GitHub].

- Personal Blog Website:
  A small, mobile friendly, website intended to run a developer's blog, running on Django.
  [source code]

- Android Sound Editor Application:
  A Sound Editor/Mixer Android Application written on C# with Xamarin. Developed with a heavy emphasis on code structure and readability (OO design principles).

Google Play Store: [RMixer](#), [Source](#)

- Mobile Game Application:
  An aplication written with Kivy on Python with a native physics 'engine' to simulate bullet trajectories affected by gravitational fields.
  [source code](#)

Skills

Experience	2 weeks to 3 months	3 months to 1 year	1 year or more
Languages	x86_64 Assembly, Scala, Rust	C, C++, Go, Type-script, SASS	Java, Python, SQL, HTML, CSS, PHP, Bash scripting, Ruby, C#
Libraries & Frameworks	ReactJS, Keras, Ten-sorFlow, nodeJS, gRPC, Protobuff, openCV, Android Java API	Django, Xamarin, Laravel, ASP.NET	VueJS, Dropwizard, Rails
Tools & Services	AWS, Terraform, Redis, Kafka, mongoDB	nginx, Postgres, SQLite, MySQL/MariaDB	git, Linux, Docker

Spoken Languages

	CEFRL
English	C2
Portuguese	C2