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Personal statement

- 4th year student at the University of Belgrade's School of Electrical Engineering
- Passionate programmer with multiple years of software development history
- Have created a wide variety of projects ranging from rich and interesting web applications to prototypes for industrial products.
- Able to provide long term solutions to both front-end and back-end problems.
- As a self-directed and self-managed person I am always pushing myself to deliver ongoing process improvements in anything I intend to achieve.
- I enjoy work that challenges me to learn something new and stretch in a different direction.
- I do my best to stay on top of changes so that I can meet challenges with tools well suited to the job at hand.
- Resourceful, able to provide solid results even when in situation where resources are limited. For example, to help mitigate for the lack of proper web hosting I used dropbox as a hosting platform and used XML to store data and AJAX to retrieve it.

Areas of Expertise

C++17	Node.JS	Linux and bash scripting	Git
Javascript (ES6)	Angular	Embedded programming	Arduino
Java 8+	AJAX	Verilog	REST APIs
PHP7	MySQL	MATLAB	CMS administration

C++ skills and thoughts

- What I consider my most cherished skill, it is the language I thoroughly adore and am most proficient at
- Have always been fascinated by the sheer amount of power one gets when wielding it, as it allows you full control of every aspect of your application, down to the hardware level
- Consistently looking to find the most optimized and elegant solution by utilizing advanced structures of the language
- Have utilized it in various projects where performance was essential like creating microkernel for intel8086 or building a 2d homebrew game engine for PlayStation2

Javascript skills and thoughts

- My go-to tool for rapid application development as its high level of abstraction, modularity and functional nature allow for tremendous amount of productivity when properly handled
- Have implemented it in a wide spectrum of work, ranging from standard front-end website development to raspberry pi programming using node.js as a platform.
- Doing my best to keep up with the latest changes and additions to the language standard
- Experience with libraries and frameworks, most notably Angular and jQuery.

Other notable skills

- A good understanding of both relational and non-relational databases (MySQL, MongoDB)
- Experienced in using and creating RESTful APIs
- Accustomed to writing tests and utilizing unit testing frameworks
- Able to create modern looking, responsive websites with latest trends of UI design
- Productive in both solo and group project environments.

Education and Qualifications

University of Belgrade, Faculty of Electrical Engineering	2016 -	4th year student of computer engineering and information theory
Gymnasium, Leskovac	2012 - 2016	Graduated with top grades across all subjects
CAE Cambridge Advanced (C1)		Certified English speaker

Awards and achievements

- 2nd place at "MedRock Week 2018" e-health advanced workshop and hackathon organized by Marand and EESTEC LC Ljubljana
- With collaborative project "*SmartAlarm – sound monitoring device*" won the second prize in category of best work with practical realization on the "8th IEEESTEC international student conference" at the University of Electronics in Niš, Serbia.
- Regular contestant of mathematics competitions and have won several awards on regional and state contests
- Won "Infomanija 2016", a regional contest in informatics held at the University of Electronics in Niš, Serbia.

Volunteering work

Electrical Engineering Students' European Association (EESTEC) – LC Belgrade	2018 - 2020	Head of Information Technology
"Brand New Engineers – Od integrala do inženjera"	2018	IT Coordinator
"JobFair 18 - Kreiraj svoju budućnost!"	2018	Logistics team leader

Hobbies and Interests

Passionate guitarist often trying to connect my love for music with my love for computers by immersing in all different kinds of projects, for example, building a custom piano controller from an arduino and an old interphone; or IoT guitar pedal for wireless tone control.
I am also a huge jazz and progressive rock consumer and an avid record collector.

References

My website: http://aleksa.think.in.rs
My github: https://github.com/aleksailic

Some of my projects are listed on my website and their source code is freely available on github.